

attributes backend basex bibtex bitset
bitset blobs boolean buffers builders bytemap
caches callback callbacks catcodes characters
chemistry commands containers context
converters coroutine ctxrunner debug dir
directives document documentdata drivers
effects environment experiments figures file
fio floats font fonts functions globaldata
globals graphics gzip helper images
interactions interfaces io job kdtree kpse
language languages layouts lfs libraries lmx
loaders logs lpdf lpeg lua luac luatex lxml
math mathematics md5 metapost mime moduledata
modules mp mplib nanojpeg noads node nodes
number objects optional os package
pagebuilders parametersets pdf pdfdecode pdfx
physics pngdecode posit potrace publications
qrcodegen regimes resolvers sandbox scripts
serial set sha2 sio socket sorters sparse
statistics status storage streams string
structures table tex texconditionals texconfig
texconstants texifs texio texpisdefined
texmodes texsystemmodes thirddata token tokens
tracers trackers typesetters updaters url
userdata utf8 utilities vector visualizers
xcomplex xdecimal xinterval xmath xml xzip
zbuffer zip zlib

ConTeXt LMTX

global (alias: _G)

CONTEXT	number	dimen	function
LUAFORMAT	number	dir	table
LUAMAJORVERSION	number	directives	table
LUAMINORVERSION	number	document	table
LUATEXENGINE	string	documentdata	table
LUATEXFORMATID	number	dofile	function
LUATEXFUNCTIONALITY	number	drivers	table
LUATEXVERBOSE	string	effects	table
LUATEXVERSION	number	environment	table
LUAVERSION	number	error	function
MP	function	experiments	table
SAVEDREQUIRE	function	figures	table
aes	table	file	table
arg	table	fio	table
assert	function	floats	table
attributes	table	font	table
backends	table	fonts	table
basexx	table	functions	table
bibtex	table	getmetatable	function
bit32	table	globaldata	table
bitset	table	globals	table
blobs	table	graphics	table
boolean	table	gzip	table
buffers	table	helper	table
builders	table	images	table
bytemap	table	inspect	function
caches	table	interactions	table
callback	table	interfaces	table
callbacks	table	io	table
catcodes	table	ipairs	function
characterkern	function	job	table
characters	table	kdtree	table
chemistry	table	kpse	table
collectgarbage	function	language	table
commands	table	languages	table
containers	table	layouts	table
context	function	lfs	table
converters	table	libraries	table
coroutine	table	lmx	table
ctxrunner	table	load	function
debug	table	loaders	data table

loadfile	function	rawget	function
loadstring	function	rawlen	function
logs	table	rawset	function
lpdf	table	regimes	table
lpeg	table	require	function
lua	table	resolvers	table
luac	table	sandbox	table
luatex	table	scripts	table
lxml	table	select	function
math	table	serial	table
mathematics	table	set	table
md5	table	setinspector	function
metapost	table	setmathparameters	function
mime	table	setmetatable	function
moduledata	table	sha2	table
modules	table	sio	table
mp	function	socket	table
mplib	table	sorters	table
nanjpeg	table	sparse	table
next	function	statistics	table
noads	table	status	table
node	table	storage	table
nodes	table	streams	table
number	table	string	table
objects	table	structures	table
optional	table	table	table
optionalrequire	function	tex	table
os	table	texconditionals	data table
package	table	texconfig	table
pagebuilders	table	texconstants	data table
pairs	function	texifs	data table
parametersets	table	texio	table
pcall	function	texisdefined	data table
pdf	table	texmodes	data table
pdfdecode	table	texsystemmodes	data table
pdfx	table	thirddata	table
physics	table	toboollean	function
pngdecode	table	todecimal	function
posit	table	token	table
potrace	table	tokens	table
print	function	tonumber	function
publications	table	tostring	function
qrcodegen	table	tracers	table
rawequal	function	trackers	table

type	function	warn	function
typesetters	table	xcomplex	table
unpack	function	xdecimal	table
updaters	table	xinterval	table
url	table	xmath	table
userdata	table	xml	table
utf	table	xpcall	function
utf8	table	xzip	table
utilities	table	zbuffer	table
vector	table	zip	table
visualizers	table	zlib	table

aes (extra lua)

decode function
encode function

random function

attributes (context)

alternates table

- N attribute
- D data
- F enable
- F handler
- F register
- D registered
- D values

applyoverloads function

checkvalues function

colorintents table

- N attribute
- D data
- F enable
- F handler
- F register
- D registered

colors table

- N attribute
- F cmyk
- F cmyktogray
- F cmyktorgb
- F colorcomponents
- D counts
- B couple
- F currentmodel
- F currentnamedmodel
- D data
- N default
- F defineintermediatecolor
- F definemultitonecolor
- F defineprocesscolor
- F defineprocesscolordirect
- F definesimplegray
- F definespotcolor
- F definetransparency
- F enable
- F filter
- N forced
- F forcedmodel
- F forcesupport

- F formatcolor
- F formatgray
- F formatluminance
- F formatluminanceratio
- F getpagecolormodel
- F gray
- F graytohsb
- F handler
- T helpers
 - F complement
 - F inbetween
 - F justone
- F hsvtorgay
- F hsvtorgb
- F hwbtorgb
- F iccprofile
- F isblack
- F labtolch
- F labtorgb
- F labtoxyz
- F lchtolab
- F lchtorgb
- N main
- S model
- D models
- F mpcolor
- F mpnamedcolor
- F mpoptions
- F mprgbcolor
- F namedcolorattributes
- N none
- F popset
- F processcolorcomponents
- F pushset
- F register
- D registered
- F registerspotcolor
- F rgb
- F rgbbytes
- F rgbtocmyk
- F rgbtorgay

F rgbtohsv		F handler	
F rgbtoxyz		F register	
N selector		D registered	
F setlist		F set	
F setmodel		numbers	data table
F setpagecolormodel		ofnode	function
D sets		private	function
F spec		public	function
F spot		registervalue	function
F spotcolorname		restore	function
F spotcolorparent		save	function
F spotcolorvalue		setcleaner	function
B supported		showcurrent	function
F toattributes		states	table
F transparencycomponents		F finalize	
B triggering		F initialize	
F usecolors		F process	
D valid		F selective	
F value		F simple	
D values		F stacked	
B weightgray		F stacker	
F xyztolab		system	function
F xyztorgb		tooverloads	function
counts	data table	transparencies	table
define	function	N attribute	
effects	table	D data	
N attribute		F enable	
D data		F forcesupport	
F enable		F handler	
F handler		T names	
F register		N color	
D registered		N colorburn	
D values		N colordodge	
getvalue	function	N darken	
getvalues	function	N difference	
handlers	table	N exclusion	
hasvalues	function	N hardlight	
list	data table	N hue	
markasoverload	function	N lighten	
names	data table	N luminosity	
negatives	table	N multiply	
N attribute		N none	
D data		N normal	
F enable		N overlay	

N saturation		F enable
N screen		F forcesupport
N softlight		F handler
N none		B hasorder
F register		D listwise
D registered		F register
B supported		D registered
F toattribute		F resolve_begin
B triggering		F resolve_end
F value		F resolve_reset
D values		F resolve_step
unsetvalue	number	D scopes
values	data table	F setfeatures
viewerlayers	table	F setup
N attribute		F start
F cleanup		F stop
D data		B supported
F define		D values
F definedlayoutcomponent		

backends (context)

closeout function

codeinjections table

F registerboxresource

F registerfont

F restoreboxresource

current string

defaults table

T codeinjections

F prerollreference

F setautoprefix

F vfstartcolor

F vfstopcolor

T nodeinjections

F cmykcolor

F destination

F graycolor

F injectknockout

F injectoverprint

F reference

F rgbcolor

F spotcolor

F transparency

T registrations

F transparency

D tables

getcallbackstate function

included table

B context

B date

B id

B metadata

B pdf

initialize function

latelua function

nodeinjections table

nothing function

openout function

registered table

T pdf

T codeinjections

F addbookmarks

F analyzenormalsymbol

F analyzesymbol

F attachmentid

F bitmap

F clonefield

F copyimage

F defaultprofile

F definefield

F definefieldset

F defineviewerlayer

F discardpages

F embedfile

F embedimage

F enabletags

F exportformdata

F fieldsurrounding

F flushmergelayer

F getbookmarks

F getboxresourcebox

F getdefaultfieldvalue

F getfieldcategory

F getfieldset

F getformatoption

F getinfo

F getlinkstructureparent

F getreferencestructureobject

F getrefobj

F insertrenderingwindow

F jp2

F jpg

F maptag

F mergebookmarks

F mergecomments

F mergefields

F mergereferences

F mergerenditions

F mergeviewerlayers

F newimage

F png

F prerollreference

F presetsymbol

F presetsymbollist
 F processrendering
 F registerdocumentcloseaction
 F registerdocumentopenaction
 F registeredsymbol
 F registerfiguremask
 F registerfigurerange
 F registerpagecloseaction
 F registerpageopenaction
 F registerpattern
 F registersymbol
 F ruleactionbox
 F ruleactiondraw
 F ruleactionfill
 F ruleactionmp
 F ruleactionstroke
 F saveboxresource
 F scanimage
 F setattachmentsupport
 F setautoprefix
 F setencryption
 F setfieldcalculationset
 F setfigurecolorspace
 F setfiguremask
 F setformat
 F setformsmethod
 F setjobcomment
 F setpagetransition
 F settaggingsupport
 F setupviewerlayer
 F setuserdata
 F setxmpfile
 F startactualtext
 F startalternativetext
 F startlayer
 F startunicodetoactualtext
 F startunicodetoactualtextdirect
 F stopactualtext
 F stopalternativetext
 F stoplayer
 F stopunicodetoactualtext
 F stopunicodetoactualtextdirect
 F supportedformats
 F unicodetoactualtext

F useviewerlayer
 F validcompactor
 F validfield
 F validfieldcategory
 F validfieldset
 F vfstartcolor
 F vfstopcolor
 F wrapimage
 S name
 T nodeinjections
 F addtags
 F annotation
 F attachfile
 F changestackedlayer
 F cmykcolor
 F comment
 F destination
 F effect
 F getboxresourcedimensions
 F graycolor
 F injectbitmap
 F insertu3d
 F knockout
 F negative
 F overprint
 F positive
 F reference
 F rgbcolor
 F spotcolor
 F startalternate
 F startlayer
 F startstackedlayer
 F stopalternate
 F stoplayer
 F stopstackedlayer
 F transparency
 F typesetfield
 F useboxresource
 T registrations
 F cmykindexcolor
 F cmykspotcolor
 F getspotcolorreference
 F grayindexcolor
 F grayspotcolor

F `rgbindexcolor`
F `rgbspotcolor`
F `spotcolorname`
F `transparency`
T `tables`

registrations	table
setencryption	function
tables	table
writeout	function

basexx (extra lua)

decode16 function

decode64 function

decode85 function

decodeLZW function

decodeRL function

encode16 function

encode64 function

encode85 function

encodeLZW function

encodeRL function

bit32 (context)

arshift	function
band	function
bnot	function
bor	function
btest	function
bxor	function

extract	function
lrotate	function
lshift	function
replace	function
rrotate	function
rshift	function

bitset (context)

assign	function	newzerobased	function
asstring	function	reset	function
band	function	set	function
bnot	function	shl	function
bor	function	shr	function
bxor	function	tostring	function
get	function	totable	function
len	function	traverse	function
new	function	wipe	function
newonebased	function		

blobs (context)

append	function
dimensions	function
dispose	function
new	function
pack	function
strdp	function
strhd	function

strht	function
strwd	function
tohpack	function
tonodes	function
tovpack	function
write	function

boolean (context)

tocontext function

tonumber function

buffers (context)

append	function
assign	function
collectcontent	function
empty	function
erase	function
exists	function
get	function
getcontent	function
getctxlua	function
getlines	function
getmkvi	function
gettex	function
loadcontent	function

parallel	table
F define	
F hassomecontent	
F next	
F place	
F reset	
F save	
prepend	function
raw	function
run	function
samplefile	function
splitsamplefile	function
undent	function

builders (context)

checkparcontext	function	F start	
checksidefloat	function	F stop	
hpack	table	F tag	
F qualityactions			parpassidentifier function
F report			passnames data table
F show			profiling table
kernel	table	F add	
F collapsing		F adddrivers	
F hyphenating		F boxlinehandler	
F kerning		F distance	
F ligaturing		F fixedprofile	
F mlisttohlist		F get	
paragraphs	table	F getrivers	
T constructors		F list	
N attribute		F pagehandler	
F define		F pagelinehandler	
F disable		F profilebox	
F enable		F profilelines	
F handler		F set	
T methods		F setlines	
F basic		registerpaspasscallback function	
F default		vpack table	
F hpack		F qualityactions	
F oneline		F report	
D names		vspacing table	
D numbers		D categories	
F set		F checkstrutdepth	
F start		F collapsevbox	
F stop		T data	
T expansion		D map	
F trace		D skip	
F kepttogether		D snapmethods	
F registertogether		F definesnapmethod	
T solutions		B fixed	
T splitters		F flushcontributions	
F define		F forcepageflush	
F optimize		F forcestrutdepth	
T registered		F getnofpreviouslines	
F reset		F inject	
F set		F injectdisable	
F split		F injectnowhite	

F injectpenalty

F injectskip

F interceptsamepagecontent

F pagehandler

F pageoverflow

F popatsame

F pushatsame

F setmap

F setskip

F snapbox

F synchronizepage

F tocategories

F tocategory

F vboxhandler

byteimap (context)

bounds	function
clip	function
copy	function
dimensions	function
domain	function
downgrade	function
downsample	function
fillgray	function
fillrgb	function
filter	function
getbyte	function
getbytes	function
getluminance	function
getvalue	function
hasbytegray	function
hasbyterange	function

hasbytergb	function
new	function
newdomain	function
overlay	function
process	function
reduce	function
reset	function
setgray	function
setgrayadd	function
setgraymin	function
setrgb	function
slicegray	function
slicerange	function
slicergb	function
totable	function

cache (context)

base	string	loadcontent	function
collapsecontent	function	loaddata	function
configfiles	function	more	string
contentstate	function	savecontent	function
defaults	table	savedata	function
getfirstreadablefile	function	setfirstwritablefile	function
getreadablepaths	function	setluanames	function
getwritablepath	function	treehash	function
hashed	function	usedpaths	function
is_writable	function		

callback (basic tex)

find	function	known	function
getcontracts	function	list	function
getcontractvalues	function	names	function
getindex	function	register	overloaded function
getoptions	function	setoptions	function
getoptionvalues	function	setstate	function
getstate	function	testonly	function
getstatevalues	function	usage	function

callbacks (context)

freeze	function	N linebreak_check
functions	table	N linebreak_quality
F start_page_number		N local_box
F stop_page_number		N make_extensible
getcomment	function	N math_rule
getstates	function	N missing_character
known	function	N mlist_to_hlist
list	table	N open_data_file
N alignment		N packed_vbox
N append_adjust		N page_boundary
N append_line		N paragraph_context
N append_migrate		N paragraph_pass
N append_to_vlist		N post_linebreak
N balance_boundary		N pre_dump
N balance_check		N pre_linebreak
N balance_insert		N pre_output
N begin_paragraph		N process_character
N buildpage		N process_jobname
N define_font		N quality_font
N find_format_file		N register_extensible
N find_log_file		N show_build
N get_attribute		N show_error_message
N get_math_dictionary		N show_loners
N get_noad_class		N show_lua_call
N glyph_run		N show_vsplit
N handle_overload		N show_warning_message
N handle_uinsert		N show_whatsit
N handle_uleader		N start_file
N hpack		N start_run
N hpack_quality		N stop_file
N hyphenate		N stop_run
N insert_boundary		N tail_append
N insert_check_split		N test_only
N insert_distance		N trace_memory
N insert_par		N vpack
N intercept_lua_error		N vpack_quality
N intercept_tex_error		N wrapup_run
N italic_correction		names table
N kerning		optimizer function
N ligaturing		optionbits table
N linebreak		optioncodes table

N direct		N frozen
N trace		N fundamental
pop	function	N private
push	function	N selective
register	function	N set
report	function	N touched
statebits	table	N tracing
statecodes	table	
N disabled		

catcodes (context)

names data table

numbers data table

register function

characters (context)

addcharacternames	function	T after_postscript	
adobename	function	T after_subscript	
bidirectional	data table	T anudatta	
blockrange	function	T before_half	
blocks	data table	T before_main	
can_have_space	data table	T before_postscript	
casemap	table	T before_subscript	
categories	data table	T below_mark	
category	function	T consonant	
categorytags	data table	T dependent_vowel	
classifiers	table	T halant	
collapsed	data table	T independent_vowel	
combined	data table	T nukta	
contextname	function	T post_mark	
csletters	data table	T pre_mark	
data	data table	T ra	
decomposed	data table	T stress_tone_mark	
description	function	T twopart_mark	
descriptions	data table	T vowel_modifier	
detailtags	data table	initialize	function
directions	table	is_character	data table
emoji	table	is_command	data table
F compact		is_hyphenator	data table
F known		is_letter	data table
F resolve		is_mark	data table
emojized	function	is_nothing	data table
encodes	data table	is_punctuation	data table
entities	data table	is_spacing	data table
fallbacks	data table	is_symbol	data table
filters	data table	lcchars	data table
fractions	table	lccode	function
fromnumber	function	lccodes	data table
fschars	data table	lettered	function
fscodes	data table	lhash	data table
getrange	function	linebreaks	data table
graphemes	data table	lower	function
hangul	data table	mathlists	data table
indicgroups	table	mirrors	table
T above_mark		otfscripts	data table
T after_half		packdata	table
T after_main		N luasize	

<code>N newsize</code>		subscripts	table
<code>N oldsize</code>		superscripts	table
<code>N version</code>		synonyms	data table
ranges	data table	tex	table
registerentities	function	<code>D accentmapping</code>	
remap_hangul_syllable	function	<code>D commandmapping</code>	
scripthash	table	<code>F defineaccents</code>	
setactivecatcodes	function	<code>F safechar</code>	
setlettercatcodes	function	<code>F strtoutf</code>	
setothercatcodes	function	<code>F strtoutfpattern</code>	
shape	function	<code>F toutf</code>	
shaped	function	<code>F toutfpattern</code>	
shash	data table	textclasses	table
shchars	data table	tonumber	function
shcodes	data table	ucchars	data table
showstring	function	uccode	function
specialchars	data table	uccodes	data table
specials	data table	uhash	data table
splits	table	unicodechar	function
<code>T char</code>		upper	function
<code>T compat</code>		verbosemarks	data table

chemistry (context)

component	function	S line
define	function	S lrn
definitions	data table	S lrt
format	string	S mark
inlinechemical	function	S mir
instance	string	S mov
method	string	S move
molecule	function	S number
moleculeparser	userdata	S oe
start	function	S off
stop	function	S r
syntax	table	S rb
T alkyl		S rbd
S category		S rd
T keys		S rdb
S ad		S rdd
S adj		S rh
S arrow		S rm
S au		S rn
S b		S rot
S bb		S rrn
S bd		S rrt
S bw		S rt
S c		S rz
S cc		S sb
S ccd		S sd
S cd		S sr
S cz		S sub
S dash		S tb
S db		S z
S diff		S zln
S dir		S zlt
S dr		S zn
S ed		S zrn
S ep		S zrt
S es		S zt
S et		S keyword
S hb		N max
S label		T boat
S ldb		S category
S ldd		T keys

S adj	S rt
S arrow	S rz
S b	S sb
S bb	S sr
S c	S sub
S cc	S z
S ccd	S zln
S cd	S zlt
S dash	S zn
S diff	S zrn
S eb	S zrt
S label	S zt
S line	S keyword
S lr	N max
S lrb	T carbon
S lrbd	S category
S lrd	S keyword
S lrh	N max
S lrn	T chair
S lrt	S category
S lrz	S keyword
S lsr	N max
S lsub	T chem
S mark	N arguments
S mov	F direct
S move	T closecomplex
S number	S direct
S off	T eight
S r	S category
S rb	T keys
S rbd	S ad
S rd	S adj
S rh	S arrow
S rn	S au
S rr	S b
S rrb	S c
S rrbd	S cc
S rrd	S ccd
S rrh	S cd
S rrn	S crz
S rrt	S dash
S rrz	S db
S rsr	S diff
S rsub	S dr

S eb	S rz
S ed	S s
S er	S sb
S hb	S sr
S label	S ss
S line	S sub
S lr	S z
S lrb	S zln
S lrbd	S zlt
S lrd	S zn
S lrh	S zrn
S lrn	S zrt
S lrt	S zt
S lrz	S keyword
S lsr	N max
S lsub	T equals
S mark	S direct
S mid	T equilibrium
S mids	N arguments
S midz	F direct
S mir	T five
S mov	S category
S move	S keyword
S number	N max
S off	T fivefront
S r	S category
S rb	S keyword
S rbd	N max
S rd	T four
S rh	S category
S rm	S keyword
S rn	N max
S rot	T gives
S rr	N arguments
S rrb	F direct
S rrbd	T mesomeric
S rrd	N arguments
S rrh	F direct
S rrn	T minus
S rrt	S direct
S rrz	T mp
S rsr	N arguments
S rsub	F direct
S rt	T newmaneclipsed

S category	S direct	
S keyword	T restore	
N max	S direct	
T newmanstagger	T save	
S category	S direct	
S keyword	T seven	
N max	S category	
T nine	S keyword	
S category	N max	
S keyword	T six	
N max	S category	
T one	S keyword	
S category	N max	
S keyword	T sixfront	
N max	S category	
T opencomplex	S keyword	
S direct	N max	
T pb	T space	
S direct	S direct	
T pe	T three	
S direct	S category	
T plus	S keyword	
S direct	N max	
T reset	undefine	function

containers (context)

cleannname function
content function
define function
is_usable function

is_valid function
read function
usecache boolean
write function

converters (context)

A	function	cn-a	function
A:es	function	cn-c	function
A:ru	function	cn-d	function
A:sl	function	convert	function
AK	function	decimals	function
Alphabetic	function	define	function
Alphabetic:es	function	gregorian_to_hebrew	function
Alphabetic:ru	function	gregorian_to_jalali	function
Alphabetic:sl	function	hebrewnumerals	function
Character	function	helpers	table
Characters	function	hexstringtonumber	function
I	function	i	function
KA	function	isleapyear	function
KR	function	jalali_to_gregorian	function
R	function	lchexnumber	function
RK	function	lchexnumbers	function
Romannumerals	function	leapyear	function
Russiannumerals	function	lower	function
Sloveniannumerals	function	max	function
Spanishnumerals	function	maxchrs	function
Word	function	nicenumber	function
Words	function	nofdays	function
a	function	number	function
a:es	function	numbers	function
a:ru	function	octnumber	function
a:sl	function	octstringtonumber	function
abjadnodotnumerals	function	ordinal	function
abjadnumerals	function	r	function
alphabetic	function	romannumerals	function
alphabetic:es	function	russiannumerals	function
alphabetic:ru	function	sequences	data table
alphabetic:sl	function	settime	function
character	function	sloveniannumerals	function
characters	function	spaceddigits	function
chineseallnumerals	function	spanishnumerals	function
chinesecapnumerals	function	textime	function
chinesedatenumerals	function	toabjad	function
chinesenumerals	function	tochinese	function
chr	function	tohebrew	function
chrs	function	toroman	function
cn	function	totime	function

uchexnumber
uchexnumbers
upper
verbose

D data

function
function
function
table

F translate

weekday
word
words

function
function
function

coroutine (basic lua)

close function
create function
isyieldable function
resume function

running function
status function
wrap function
yield function

ctxrunner (context)

load	function	prepfiles	data table
preparedfile	function	resolve	function

debug (basic lua)

getinfo function

sethook function

traceback function

dir (context)

collectpattern	function
current	function
expandlink	function
expandname	function
found	function
glob	function
globdirs	function

globfiles	function
globpattern	function
ls	function
makedirs	function
mkdirs	function
pop	function
push	function

directives (context)

data	data table
default	function
disable	function
done	table
enable	function
list	function
name	string

register	function
report	function
reset	function
show	function
value	function
values	function

document (context)

arguments	data table	pdf_cleanup_procsets	function
files	table	pdf_identify_content	function
functions	table	pdf_serialize_content	function
getargument	function	pdf_strip_content	function
getfilename	function	pdf_strip_page	function
options	table	setargument	function
T cmdline		setcommandline	function
D environments		setdefaultargument	function
D modes		setenvironments	function
D modules		setfilename	function
T ctxfile		setfilenames	function
D environments		setmodes	function
D modes		setmodules	function
D modules		variables	data table
pdf_cleanup_cidsets	function		

documentdata (context)

variable function

drivers (context)

applyanchor	function	F rule
applyorientation	function	F simplerule
convert	function	F specialrule
converters	table	F updatefontstate
F analyze		T Whatsit
F engine		S name
F lmtx		T js
F resyncbox		T actions
enable	function	F cleanup
finalize	function	F convert
gethpos	function	F finalize
gethvrpos	function	F initialize
getpos	function	F outputfilename
getrpos	function	F prepare
getvpos	function	F wrapup
helpers	table	T flushers
initialize	function	F character
install	function	F popleaderlevel
instances	table	F pushleaderlevel
T empty		F rule
T actions		F setstate
F convert		F simplerule
F prepare		F specialrule
T flushers		F updatefontstate
F popleaderlevel		T Whatsit
F pushleaderlevel		S name
T Whatsit		T lua
S name		T actions
T js		F cleanup
T actions		F convert
F cleanup		F finalize
F convert		F initialize
F finalize		F outputfilename
F initialize		F prepare
F outputfilename		F wrapup
F prepare		T flushers
F wrapup		F character
T flushers		F popleaderlevel
F character		F pushleaderlevel
F popleaderlevel		F rule
F pushleaderlevel		F simplerule

F specialrule	T actions	
F updatefontstate	F cleanup	
T whatsit	F convert	
S name	F finalize	
T mpo	F initialize	
T actions	F outputfilename	
F finalize	F prepare	
F initialize	F wrapup	
T flushers	T flushers	
F character	F character	
F popleaderlevel	F flushimage	
F pushleaderlevel	F fontchar	
F rule	F group	
F simplerule	F literal	
F specialrule	F popgroup	
T whatsit	F popleaderlevel	
S name	F poporientation	
T mps	F pushgroup	
T actions	F pushleaderlevel	
F cleanup	F pushorientation	
F convert	F restore	
F finalize	F rule	
F initialize	F save	
F outputfilename	F setmatrix	
F prepare	F setstate	
F wrapup	F simplerule	
T flushers	F space	
F character	F specialrule	
F popleaderlevel	F startclipping	
F pushleaderlevel	F startmatrix	
F rule	F startmirroring	
F simplerule	F startrotation	
F specialrule	F startscaling	
F updatefontstate	F stopclipping	
T whatsit	F stopmatrix	
S name	F stopmirroring	
T none	F stoprotation	
T actions	F stopscaling	
T flushers	F updatefontstate	
F popleaderlevel	T whatsit	
F pushleaderlevel	S name	
T whatsit	lmtxversion	number
S name	outputfilename	function
T pdf	report	function

effects (context)

brownianmotion	function
browniannoise	function
getoctaveloops	function
getoctavemethods	function
getoctavestatus	function
getoctavevariants	function
newoctave	function
octave	function
octavebytemap	function

perlinmotion	function
perlinnoise	function
simplexangle	function
simplexdetail	function
simplexnoise	function
stepoctave	function
worleybounds	function
worleymotion	function
worleynoise	function

environment (context)

argument	function	luafilechunk	function
arguments	data table	luatexengine	string
basicengines	data table	luatexfunctionality	number
currentrun	number	luatexverbose	string
definefilefallback	function	luatexversion	number
definefilesynonym	function	maxnofruns	number
engineflags	data table	oldhome	string
filename	string	originalarguments	data table
filenames	table	outputfilename	string
files	table	ownbin	string
filesynonyms	data table	ownmain	string
forcedruns	number	ownname	string
getargument	function	ownpath	string
globfiles	function	prerollrun	boolean
homedir	string	rawarguments	data table
initex	boolean	reconstructcommandline	function
initexmode	boolean	relativepath	function
initializearguments	function	setargument	function
initializefilenames	function	splitarguments	function
inputfilebarename	string	suffix	string
inputfilename	string	texfile	function
inputfilesuffix	string	texmfos	string
jobfilefullname	string	texos	string
jobfilename	string	texroot	string
jobfilesuffix	string	truefilename	function
kindofrun	number	uselua module	function
lmtxmode	number	usemodules	function
loadexamodes	function	validengines	data table
loadluafile	function	version	string
luafile	function		

experiments (context)

data	data table	register	function
default	function	report	function
disable	function	reset	function
enable	function	show	function
list	function	value	function
name	string	values	function

figures (context)

applyratio	function	F resetdata	
badname	function	F resetstore	
bases	data table	F scan	
bitmapimage	function	F serialize	
boxnumber	number	T sizes	
bytepalette	function	B art	
cachepaths	data table	B bleed	
check	function	B crop	
checkers	data table	B media	
conversions	data table	B none	
converters	data table	B trim	
current	function	F storedata	
defaultdepth	number	F totable	
defaultheight	number	T types	
defaultsearch	boolean	N jbig2	
defaultwidth	number	N jp2	
done	function	N jpg	
dummy	function	N none	
existsers	data table	N pdf	
exists	function	N png	
formats	data table	N stream	
found	data table	F wrap	
get	function	include	function
getinfo	function	includers	data table
getpdfinfo	function	initialize	function
getrealpage	function	loaded	data table
guess	function	localpaths	data table
guessfromstring	function	magics	data table
hash	function	mergegoodies	function
identifiers	data table	nofmissing	number
identify	function	nofprocessed	number
images	table	order	data table
F check		palettes	table
F checksize		paths	data table
F copy		patterns	data table
F create		pop	function
F embed		preferquality	boolean
F embedfromstore		programs	data table
F fetchdata		push	function
T keys		qrcode	function
F print		registerpattern	function

registerresource	function	setconversion	function
registersuffix	function	setlookups	function
remappers	data table	setorder	function
resources	data table	setpaths	function
scale	function	suffixes	data table
set	function	used	data table

file (basic lua)

addsuffix	function
basename	function
checksum	function
collapsepath	function
copy	function
dirname	function
expandname	function
extname	function
is_qualified_path	function
is_readable	function
is_rootbased_path	function
is_writable	function
isreadable	function
iswritable	function
join	function
joinpath	function
loadchecksum	function
nameonly	function
nametotable	function
needs Updating	function

needsupdating	function
pathpart	function
readdata	function
removesuffix	function
replacesuffix	function
reslash	function
robustname	function
savechecksum	function
savedata	function
size	function
splitbase	function
splitname	function
splitpath	function
suffix	function
suffixes	function
suffixesonly	function
suffixonly	function
syncmtimes	function
withinbase	function

fio (extra lua)

getposition	function
read2dot14	function
readbytes	function
readbytetable	function
readcardinal1	function
readcardinal1le	function
readcardinal2	function
readcardinal2le	function
readcardinal3	function
readcardinal3le	function
readcardinal4	function
readcardinal4le	function
readcardinaltable	function
readcline	function
readcstring	function
readdouble	function
readdoublele	function
readfixed2	function
readfixed4	function
readfloat	function
readfloatle	function
readinteger1	function

readinteger1le	function
readinteger2	function
readinteger2le	function
readinteger3	function
readinteger3le	function
readinteger4	function
readinteger4le	function
readintegertable	function
setposition	function
skipposition	function
writecardinal1	function
writecardinal1le	function
writecardinal2	function
writecardinal2le	function
writecardinal3	function
writecardinal3le	function
writecardinal4	function
writecardinal4le	function
writedouble	function
writedoublele	function
writefloat	function
writefloatle	function

floats (context)

analysemethod	function	nofstacked	function
checkedpagefloat	function	pop	function
collect	function	push	function
consult	function	resave	function
flush	function	save	function
getvariable	function	stacked	function
hasstacked	function		

font (basic tex)

addcharacters	function	getmathspec	function
addquality	function	getparameterfields	function
current	function	gettextcharacterfields	function
define	function	id	function
getfont	function	max	function
getfontdimen	function	nextid	function
getfontfields	function	setfont	function
getfontspec	function	setfontdimen	function
getmathcharacterfields	function	xscaled	function
getmathindex	function	yscaled	function

fonts (context)

analyzers	table	F beforepassingfonttotex
D features		D cache
D initializers		F calculatescale
D methods		F checkedfeatures
F setstate		F checkedfilename
D states		F collectprocessors
B useunicodemarks		F currentfonthasfeature
callbacks	table	D designsizes
F compile		F enhanceparameters
F devirtualize		T enhancers
checkers	table	T afm
F getmissing		F apply
D mapping		F patch
F missing		T patches
F placeholder		F register
cid	table	F report
F getmap		F register
F loadfile		F report
collections	table	T otf
F checkenabled		F addfeature
F clonevector		F apply
F define		F enhance
T definitions		F patch
F direct		T patches
F found		F register
F prepare		F report
F process		F register
F register		F report
F registermain		T tfm
F report		F apply
F reset		F patch
T rscales		T patches
T vectors		F register
constructors	table	F report
F addcharacters		F register
F addcoreunicodes		F report
F aftercopyingcharacters		N factor
F applyfinalizers		T features
F applymanipulators		D afm
F assignmathparameters		D otf
F beforecopyingcharacters		D tfm

F finalize	S defaultbasealternate
F getfeatureaction	S defaultnodealternate
F getmathparameter	D features
F getprivate	F featuresinitializer
T handlers	F featuresprocessor
T afm	T fixers
B autoprefixed	F getactualtext
D cache	F getalternate
D features	F getgsub
F getkern	F getkern
T helpdata	F getmultiple
D bothkerned	F getstreamhash
D leftkerned	F getsubstitution
D ligatures	T handlers
D rightkerned	F ctx_camelcasing
D texligatures	F devanagari_remove_joiners
F load	F devanagari_reorder_matras
T readers	F devanagari_reorder_pre_base_reordering_consonants
F getinfo	F devanagari_reorder_reph
F loadfont	F gpos_context
F loadshapes	F gpos_contextchain
F setfeatures	F gpos_cursive
B syncspace	F gpos_mark2base
N version	F gpos_mark2ligature
T otf	F gpos_mark2mark
F addfeature	F gpos_pair
F basemodeinitializer	F gpos_single
D cache	F gsub_alternate
F collectlookups	F gsub_context
T coverup	F gsub_contextchain
T actions	F gsub_ligature
F alternate	F gsub_multiple
F chainposition	F gsub_reversecontextchain
F chainsubstitution	F gsub_single
F kern	F trigger_space_kerns
F ligature	T helpers
F multiple	F blockligatures
F pair	F pardirstate
F single	F txtfirststate
F substitution	F load
F register	F loadoutlinedata
S stepkey	F loadstreamdata
F dataset	F modeinitializer
F datasetpositionprocessor	D mpscache

D pdfcache	F gsub
F plugininitializer	T gsubhandlers
F pluginprocessor	F alternate
T plugins	F chainedcontext
T text	F context
D pngcache	F extension
B pngenabled	F ligature
T readers	F multiple
F addunicodetable	F reversechainedcontextsingle
F avar	F single
F cbdt	F gvar
F cblc	F head
F cff	T helpers
F cff2	F axistofactors
T cffencoder	F cleanname
F checkhash	F getaxisscale
F cmap	F getfactors
F colr	F getscales
F compact	F gotodatatable
F condense	F normalizedaxis
F cpal	T normalizedaxisishash
F dsig	F readdevice
F ebdt	F readvariationdata
F eblc	F reportskippedtable
F ebsc	F setvariabledata
F expand	F hhea
F extend	F hmtx
F fvar	F hvar
F gasp	F kern
F gdef	F loadfont
F getcomponents	F loadshapes
F getinfo	F loca
F glyf	F math
F gpos	F maxp
T gposhandlers	F mvar
F chainedcontext	F name
F context	F os/2
F cursive	F pack
F extension	F parsecharstrings
F marktobase	F post
F marktoligature	F potracetocff
F marktomark	F registerextender
F pair	F rehash
F single	F sbix

F stat	F skipshort
T streamreader	F writebyte
F close	F writecardinal1
F getposition	F writecardinal1le
F getsize	F writecardinal2
F look	F writecardinal2le
F open	F writecardinal3
F read2dot14	F writecardinal3le
F readbyte	F writecardinal4
F readbytes	F writecardinal4le
F readbytetable	F writeinteger1
F readcardinal	F writeinteger1le
F readcardinal1	F writeinteger2
F readcardinal1le	F writeinteger2le
F readcardinal2	F writeinteger3
F readcardinal2le	F writeinteger3le
F readcardinal3	F writeinteger4
F readcardinal3le	F writeinteger4le
F readcardinal4	F writestring
F readcardinal4le	F stripredundant
F readcardinaltable	F svg
F readchar	N tableversion
F readcline	F unifymissing
F readcstring	F unpack
F readfixed2	F vhea
F readfixed4	F vmtx
F readinteger	F vorg
F readinteger1	F vvar
F readinteger1le	F woff2otf
F readinteger2	F registerpalette
F readinteger2le	F registerplugin
F readinteger3	F reorderlookups
F readinteger3le	F scriptandlanguage
F readinteger4	F setdynamics
F readinteger4le	F setfeatures
F readintegertable	T statistics
F readsignedbyte	D usedfeatures
F readstring	D svgcache
F readtag	B svgenabled
F setposition	T tables
F size	D baselines
F skip	D features
F skiplong	D featuretypes
F skipposition	D languages

- D scripts
- F texthandler
- T vectors
- T arab
 - T gpos
 - N curs
 - N kern
 - N mark
 - N mkmk
 - T gsub
 - N calt
 - N ccmp
 - N cswh
 - N dlig
 - N fina
 - N init
 - N isol
 - N liga
 - N medi
 - N mset
 - N rclt
 - N rlig
- N version
- T pfb
 - F filterencoding
 - F filtermetadata
 - F loadvector
 - N version
- T tfm
 - D cache
 - D features
 - N maxnestingdepth
 - N maxnestingsize
 - T readers
 - F loadpk
 - F loadtfm
 - F loadtfmvf
 - F loadvf
 - F pktopdf
 - F potracetopdf
 - F showpk
 - F reencode
 - F setfeatures
 - N version

- T vf
 - T combinations
 - F combine
 - T combiner
 - D commands
 - D helpers
 - D math
 - D predefined
 - N version
 - D whatever
 - F hashfeatures
 - F hashinstance
 - T hashmethods
 - F normal
 - F virtual
 - F initializefeatures
 - D loadedfonts
 - N noffontsloaded
 - N nofsharedfonts
 - N nofsharedhashes
 - N nofsharedvectors
 - N privateoffset
 - D privateslots
 - F readanddefine
 - F registerfeature
 - F registerscriptset
 - F resetfeature
 - B resolvevirtualtoo
 - F scale
 - F scaled
 - F setfactor
 - F setfeature
 - F setmathparameter
 - F setname
 - B sharefonts
 - F trytosharefont
 - N version
- current** function
- currentid** function
- definers** table
 - F addlookup
 - F analyze
 - F applypostprocessors
 - F checkedmode

F checkedscript		D math	
S defaultlookup		N version	
F define		enhanceid	function
F getspecification		expansions	data table
F internal		formats	data table
F loadfont		getalternate	function
F makespecification		getindices	function
T methods		getkern	function
F install		getmultiple	function
D variants		getsubstitution	function
F read		getters	table
F register		T alternate	
F registered		F opentype	
F registerfallbackfont		T kern	
F registersplit		F opentype	
F resetnullfont		F type1	
F resolve		F type3	
T resolvers		T multiple	
F file		F opentype	
F name		T substitution	
F spec		F opentype	
definetypeface	function	goodies	table
dropins	table	D colorschemes	
F clone		T data	
F getshape		T common-math.lfg	
F getshapes		S author	
F nextid		S comment	
F provide		S copyright	
F registerglyph		B initialized	
F registerglyphs		T mathematics	
F swap		T tweaks	
F swapone		T presets	
effects	table	F addmathkerns	
encodings	table	F braille	
T agl		F eulertocalligraphic	
D ctxcodes		F fallbacks	
D extras		F moderntocalligraphic	
D synonyms		F moveintegrals	
D unicodes		F moveitalics	
D cache		F pagellaradical	
F is_known		F rsfstoscript	
D known		F rsfsuprighttoscript	
F load		F scripttocalligraphic	
F make_unicode_vector		F smallldigits	

- F wipeanchors
- F wipeitalics
- F xitsarabic
- S name
- S version
- T dejavu-math
- S author
- S comment
- S copyright
- B initialized
- T mathematics
- T alternates
 - T dotless
 - S comment
 - S feature
 - N value
- T bigslots
- T parameters
 - N AccentBaseDepth
 - N AccentTopShiftUp
 - N DelimiterDisplayPercent
 - N DelimiterDisplayShortfall
 - N DelimiterPercent
 - N DelimiterShortfall
 - N DisplayOperatorMinHeight
 - N FlattenedAccentTopShiftUp
 - N FractionRuleThickness
 - S PrimeBaselineDropMax
 - S PrimeShiftUp
 - S PrimeShiftUpCramped
 - N SubscriptShiftDown
 - S SubscriptShiftDownWithSuperscript
 - N SuperscriptShiftUp
- T tweaks
 - T aftercopying
- S name
- S version
- T dejavu-text
- S author
- S comment
- S copyright
- T extensions
- B initialized
- S name

- S version
- D designsizes
- D filenames
- F getcompositions
- T list
- F load
- F prepare_features
- F register
- F registerpostprocessor
- F report
- T suffixes
- handlers** table
- hashes** table
- D characters
- D classes
- D csnames
- D descriptions
- D dynamics
- D emwidths
- D exheights
- D features
- D identifiers
- D italics
- D lastmathids
- D marks
- D mathparameters
- D modes
- D originals
- D parameters
- T processes
- D properties
- D quads
- D resources
- T setdynamics
- T shapes
- D spaces
- D spacings
- T streams
- D unicodes
- D unislots
- D variants
- D xheights
- helpers** table
- F addextraprivate

F addprivate
 F appendcommands
 F appendcommandtable
 F checkflags
 F checkmerge
 F checksteps
 F collectanchors
 F combineglyphs
 D commands
 F composecharacters
 F descriptiontoslot
 F dimenfactor
 F expandglyph
 D extraprivates
 F fontpatternhassize
 F getcoloredglyphs
 F getdigitwidth
 F getinstancespec
 F getparameters
 F getprivatecharornode
 F getprivatenode
 F getprivates
 F getprivateslot
 F glyphdimenfactor
 F hasprivate
 F indextoslot
 F isprivate
 F mathscriptslots
 F name
 F nametoslot
 F newprivateslot
 F prependcommands
 F prependcommandtable
 F privateslot
 F registerglyphbox
 F scalecommands
 F setboxdirectly
 F setboxglyph
 F setboxglyphs
 F setdigitwidth
 F setmetaglyph
 F setmetaglyphs
 D sharedprivates
 F splitfontpattern

F tochar
 T vfinjectors
 F startcolor
 F stopcolor
 T vfspecials
 T backgrounds
 T outlines

infofont function

iterators table

F characters
 F descriptions
 F glyphs

loggers table

F format
 F onetimemessage
 F register
 F reportdefinedfonts
 F reportusedfeatures

mappings table

F addtounicode
 F fromunicode16
 F getentry
 F loadfile
 F loadline
 F makenameparser
 D overloads
 F reset
 F tounicode
 F tounicode16
 F tounicode16sequence

metapost table

F baseline
 F boundingbox
 F boxtomp
 F boxtompdimensions
 F boxtompposition
 F draw
 F fill
 F glyph
 F maxbounds
 F paths
 F widthline
 F zeroline

mode function

names	data table	F mathfallback	
nulldata	data table	D methods	
privateoffsets	table	D presets	
B keepnames		F registerfallback	
N mathbase		F registerfiles	
N mathextrabase		F registerfontalternative	
N textbase		F registerfontfamily	
N textextrabase		F textfallback	
protrusions	data table	F typeface	
readers	table	F typescript	
F afm		F userdata	
F check_lua		specifiers	table
F check_tfm		D contextmerged	
F lua		F contextnumber	
F ofm		D contextnumbers	
F opentype		D contextsetups	
F otf		F contexttostring	
F pfb		F definecontext	
D sequence		F mergecontext	
F tfm		F presetcontext	
F ttc		F registercontext	
F ttf		T scriptsets	
F woff		T af	
F woff2		S language	
registersanitizer	function	N number	
reserveid	function	S script	
select	table	T always	
D alternatives		S autolanguage	
F bodyfont		S autoscript	
D data		B checkmissing	
F default		B compoundhyphen	
D defaults		B curs	
F definefallbackfamily		B kern	
F definefontfamily		B mark	
F definefontfamilypreset		B mkmk	
D extras		S mode	
F fallback		N number	
D fallbacks		S script	
F features		S textcontrol	
F filefallback		B wipemath	
F fontdata		T arabic	
F fontfallback		B analyze	
F fontsynonym		S autolanguage	
F goodies		S autoscript	

B calt	B nukt
B ccmp	N number
B clig	B pres
B curs	B pstf
B dlig	B psts
B fina	B rphf
B init	S script
B isol	B vatu
B kern	T bengali-two
S language	B abvm
B liga	B abvs
B mark	B akhn
B medi	B blwf
B mkmk	B blwm
S mode	B blws
N number	B calt
B rlig	B cjct
S script	B dist
T ba	B half
S language	B haln
N number	S indic
S script	B init
T bandw:overlay	B kern
B ccmp	S language
B dist	B locl
N number	S mode
T bengali-one	B nukt
B abvm	N number
B abvs	B pres
B akhn	B pstf
B blwf	B psts
B blwm	B rphf
B blws	S script
B calt	B vatu
B cjct	T boldened
B dist	S effect
B half	N number
B haln	T boldened-10
S indic	S effect
B init	N number
B kern	T boldened-15
S language	S effect
B locl	N number
S mode	T boldened-20

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N number	B curs
T boldened-25	B kern
S effect	B liga
N number	B mark
T boldened-30	B mkmk
S effect	S mode
N number	N number
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S language	S textcontrol
N number	B wipemath
S script	T cy
T camelcasing	S language
B camelcasing	N number
N number	S script
T cn	T cz
S language	S language
N number	N number
S script	S script
T color	T de
B ccmp	S language
S color	N number
B dist	S script
N number	T default
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B ccmp	S autoscript
B dist	B checkmissing
N number	B compoundhyphen
B sbix	B curs
T color:overlay	B itlc
B ccmp	B kern
B colr	B liga
B dist	B mark
N number	B mkmk
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B ccmp	N number
B dist	S script
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B svg	B wipemath
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S autolanguage	S language
S autoscript	N number
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B calt	S goodies
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B dist	N number
B half	B unicoding
B haln	T es
S indic	S language
B kern	N number
S language	S script
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S mode	S language
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B half	N number
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N number	B half
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T gr	S indic
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B dist	B akhn
B half	B blwf
B haln	B blwm
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S mode	B half
B nukt	B haln
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B watu	N number

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B dist	S language
B half	N number
B haln	S script
S indic	T indic-common
B kern	B abvm
S language	B abvs
B locl	B akhn
S mode	B blwm
B nukt	B blws
N number	B calt
B pres	B dist
B pstf	B haln
B psts	S indic
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S language	S language
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B kern	B tableddigits
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F boxlinenh	F btxflush
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F embedimagefromstore	F expression
F enablealignmentcharacter	F extendregister
F enablealignskips	F extendregisterlate
F enableasciimode	F extensiblecode
F enableautofences	F fakeword
F enableautofontscript	F featureattribute
F enablebackgroundalign	F feedback
F enablebackgroundboxes	F fetchlanguagegetext
F enablecollectingmath	F fetchmultipar
F enablecolor	F fetchposboxes
F enablecolorintents	F fetchterminaldata
F enablecrlf	F figure_flush_registered_pages
F enabledirectives	F figure_mergegoodies
F enabledriver	F figure_nof_registered_pages
F enableexperiments	F figure_register_page
F enablefontcolorschemes	F figuresetdimensions
F enablehidecontent	F filebasename
F enablemathalignrelocate	F filedirname
F enablematrixornaments	F filenameonly
F enablematrixrules	F filesuffix
F enableparbuilder	F filterdefaultreference
F enableregime	F filterreference
F enablescriptunstacking	F finalizeobjectbox
F enablesidefloatchecker	F finalizeshipoutbox
F enablespellchecking	F findregisterinternal
F enablestacking	F finishcolumnsetflush
F enablestream	F finishexport
F enableswapping	F firstinset
F enabletighten	F firstsectionpage
F enabletrackers	F firstsubcountervalue
F enabletransparency	F flagcodestring
F enableutf	F flushcolumnsetareas
F enhancelinkedlist	F flushcolumnsetcolumn

F flushfloat	F getboxhtfromcache
F flushlabeledfloat	F getboxwdfromcache
F flushnoterange	F getbuffer
F flushnotes	F getbuffercontent
F flushpageblocks	F getbufferctxlua
F flushpageinjectionsafter	F getbuffermkvi
F flushpageinjectionsbefore	F getbuffertex
F flushpostponedblocks	F getcharactercasingcategory
F flushpostponednotes	F getclubpenalties
F flushstream	F getcurrentprefixspec
F flushstreamcopy	F getcurrentreferencelabel
F fontchar	F getcurrentreferencemetadata
F fontcharbyindex	F getdefaultfieldvalue
F fontcollectionclone	F getdisplaywidowpenalties
F fontcollectiondefine	F getdocumentargument
F fontcollectionprepare	F getdocumentfilename
F fontcollectionregister	F getfieldcategory
F fontcollectionreport	F getfile
F fontcollectionreset	F getfirstcharacter
F fontlookupgetkey	F getfloatvariable
F fontlookupgetkeyofindex	F getfromluatable
F fontlookupinitialize	F getfullstructurenumber
F fontlookupnoffound	F getinterlinepenalties
F forceendjob	F getinternalcachedlistreference
F forcepageflush	F getinternallistreference
F forcequitjob	F getinternalorderreference
F forcestrutdepth	F getmathblobindex
F format	F getmathblobmapping
F formatcolor	F getmathcharone
F formatgray	F getmathchartwo
F formatluminance	F getmathmathblob
F formatluminanceratio	F getmathtextblob
F formatone	F getmathvariant
F framedoutline	F getmessage
F from	F getmpextensions
F frozenparcodestring	F getnaturaldimensions
F frule	F getnaturalwd
F getMPdata	F getnofpreviouslines
F getbidimode	F getnotestate
F getbodyfontsizes	F getnotestorecount
F getboxcountfromcache	F getnotestoreflushed
F getboxdpfromcache	F getobjectdimensions
F getboxfromcache	F getobjectreference
F getboxhtdpfromcache	F getobjectreferencepage

F getparshape	F hour
F getparwrapper	F hpackbox
F getprivatechar	F hpackedbox
F getprivateglyphslot	F hsplit
F getprivatemathchar	F hyphenateddigits
F getprivateslot	F hyphenatedlist
F getprogram	F hyphenationcodestring
F getrandomdimen	F ic
F getrandomfloat	F idxfromluatable
F getrandomnumber	F if_common
F getrandomseed	F ifallmodes
F getreadfilename	F ifbitwiseand
F getreferencesectionnumber	F ifblobindexdone
F getrivers	F ifboxhaslist
F getsetupstring	F ifcommon
F getshapeparameter	F ifeof
F getsomefullstructurenumber	F ifgluelineinbox
F getsomestructurenumber	F ifinset
F getspecificstructuretitle	F iflua
F getstructurelevel	F ifmode
F getstructurenumber	F ifmodes
F getsubstring	F ifmvl
F getsynchronizemarking	F ifpositunum
F geturl	F ifsetups
F getvisual	F ifsystemmode
F getwidowpenalties	F iftext
F globalpopmacro	F ifxml
F globalpushmacro	F ifxmlatt
F gluetoinesinbox	F ifxmlatempty
F glyphoptioncodestring	F ifxmlempty
F gobblenested	F ifxmlselfempty
F gotocolumnsetslot	F ifxmltext
F grabbuffer	F ignorefile
F groupcodestring	F ignoretagsinexport
F groupsetgroup	F immediatemessage
F grph_nodes_initialize	F includesvgbuffer
F grph_nodes_register	F includesvgfile
F grph_nodes_reset	F incrementcounter
F grph_nodes_resolve	F incrementsubcounter
F handlemathhang	F inhibitprimitive
F hboxto vbox	F initializeexport
F heightofstring	F initializejob
F helpaction	F initializemathcollapsing
F helpreference	F initializemathfencing

F initializemathitalics	F jobposy
F initializemathkernpairs	F languagecharwidth
F initializemathnumbers	F languagenumber
F initializemathspacing	F lastblobindex
F initializestream	F lastnodeequals
F initializetexdirectives	F lastnodeid
F initializetexexperiments	F lastnodeidstring
F initializetextrackers	F lastnodesubtypestring
F injectcurrentreference	F lastparwrapper
F injectcurrentreferencehtdp	F lastrpos
F injectddisable	F lastsavedboxresourceindex
F injectnowhite	F lastsavedimageresourceindex
F injectreference	F lastsavedimageresourcepages
F injectvpenalty	F lastsectionpage
F injectvskip	F lastsubcountervalue
F injectvspacing	F lastunitstring
F injectzerobaselineskip	F lastxpos
F inlinechemical	F lastypos
F inputfilebarename	F lateindent
F inputfilename	F latelua
F inputfilerealsuffix	F lateundent
F inputfilesuffix	F lchexnumber
F insertattachment	F lchexnumbers
F insertcategorycodestring	F leapyear
F insertcomment	F limited
F insertfield	F linebuffering
F insertionnumber	F linedir
F insertoptioncodestring	F lineprofilebox
F insertrenderingwindow	F linesegment
F inspectluatable	F listanchorcodestring
F installedlanguages	F listbookmark
F installtexdirective	F listexternal
F installtexexperiment	F listgroupindex
F installtextracker	F listlabel
F interceptsamepagecontent	F listlocation
F it	F listnamespaces
F jobfilefullname	F listprefixednumber
F jobfilename	F listprefixedpage
F jobfilesuffix	F listrawnnumber
F jobposd	F listrawrealpage
F jobposh	F listrawuserpage
F jobposp	F listsigncodestring
F jobposw	F listsize
F jobposx	F listtitle

F listuserdata	F loopcs
F lmt_parameters_define	F loopcsn
F lmt_parameters_preset	F lousiness
F lmt_parameters_reset	F luacardinal
F loadcldfile	F luacount
F loadcldfileonce	F luadimen
F loadexamodes	F luaexpression
F loadfontgoodies	F luafloat
F loadlibrary	F luainteger
F loadluafile	F luanumber
F loadluafileonce	F luarandom
F loadluamodule	F luascript
F loadmapfile	F luathread
F loadmapline	F lxmlid
F loadspellchecklist	F manipulated
F loadtexfile	F markblobindexdone
F loadtexfileonce	F markcontent
F loadtypescriptfile	F markedpageparameter
F loadvisualizer	F markedpages
F loadxmlfile	F markingnumber
F loadxmlfileonce	F markingtitle
F localanchorx	F markinjector
F localanchory	F markpage
F localboxindent	F markregionbox
F localboxindex	F markregionboxcorrected
F localboxlefthang	F markregionboxtagged
F localboxleftoffset	F markregionboxtaggedkind
F localboxleftskip	F markregionboxtaggedn
F localboxlinenumber	F markvisualfonts
F localboxlinewidth	F mathclassvalue
F localboxlocalwidth	F mathcontrolcodestring
F localboxmarkonce	F mathhorizontalcode
F localboxovershoot	F mathoptioncodestring
F localboxparfillleftskip	F mathrenderset
F localboxparfillrightskip	F mathstrutcode
F localboxparinitleftskip	F mathvariantcode
F localboxparinitrightskip	F mathvariantcount
F localboxprogress	F mathvariantslot
F localboxrighthang	F maxbufferwidth
F localboxrightoffset	F message
F localboxrightskip	F metapostescaped
F localpopmacro	F metapostformatted
F localpushmacro	F metapostgraphformat
F locatefilepath	F minute

F mixcleanup	F newrepeatablerandom
F mixfinalize	F newstacking
F mixflushlist	F nextparallel
F mixflushrest	F nextsubcountervalue
F mixgetsplit	F nodimen
F mixsetsplit	F nofbufferlines
F mixstate	F nofconversions
F modecodestring	F nofdays
F molecule	F nofdetachedinsertions
F month	F noflinesinbox
F monthmnem	F nofmathvariants
F monthname	F nofstackedfloats
F mpblobtext	F nologbuffering
F mpcolor	F normalizecodestring
F mpgetblob	F normalizedbodyfontsize
F mpgettext	F normalizeparcodestring
F mpgraphic	F nospacesmodecodestring
F mpgraphictexttoks	F notedeltapage
F mpoptions	F noteinternal
F mpoutlinetoks	F notelistindex
F mppopvariables	F noteprefixednumber
F mppushvariables	F notetitle
F mprunset	F ntb_split_section_check
F mpruntab	F ntb_split_section_fetch
F mprunvar	F ntb_split_section_locate
F mpsetclippath	F ntb_split_section_reset
F mpsetoutercolor	F ntimes
F mpsetsxxy	F number
F mpsettext	F numbers
F mptexget	F objectreference
F mptexreset	F objectreferencepage
F mptexset	F octnumber
F mptexsetfrombuffer	F openin
F mptexttoks	F openout
F mvloptioncodestring	F operatingsystem
F namedstructureuservariable	F ordinal
F namedstructurevariable	F outputfilename
F naturalwd	F overloadbookmark
F negatedcolorcomponent	F overloadlowercase
F newarray	F overloadsattribute
F newhashtable	F overloaduppercase
F newindexedtable	F pageblockrealpage
F newluatable	F pageofinternal
F newparwrapper	F pageoverflow

F pagestaterealpage	F pffloor
F pagestaterealpageorder	F pflog
F paragraphfillmodecodestring	F pfmod
F paragraphoptioncodestring	F pfpow
F parcontextcodestring	F pfrad
F pardir	F pfrem
F parpasscallback	F pfround
F parpassidentifier	F pfsin
F parpos	F pfsinh
F partriggercodestring	F pfsqrt
F pdfbackendcurrentresources	F pftan
F pdfbackendsetcatalog	F pftanh
F pdfbackendsetcolorspace	F pgfxcolorspec
F pdfbackendsettextgstate	F pickupbuffer
F pdfbackendsetinfo	F pickupmarkedcontent
F pdfbackendsetname	F pickuppunctuation
F pdfbackendsetpageattribute	F placeparallel
F pdfbackendsetpageresource	F popfloat
F pdfbackendsetpagesattribute	F pophyphenation
F pdfbackendsetpattern	F poplist
F pdfbackendsetshade	F poplocalanchors
F pdfcolor	F poplogfile
F pdfextension	F popparagraphtweak
F pdffeedback	F poppath
F pdflastobj	F poprandomseed
F pdfliteral	F popreferenceprefix
F pdfobj	F popregime
F pdfrefobj	F poprunstate
F pdfsetuserdata	F popsectionblock
F pdfvariable	F positunum
F percentageof	F positunumdef
F pfabs	F postlistbox
F pfacos	F postlistcopy
F pfacosh	F postponeotes
F pfasin	F prefixedconverted
F pfasinh	F prelistbox
F pfatan	F prelistcopy
F pfatanh	F preparecolumnsetflush
F pfatantwo	F prerolledpages
F pfceil	F presetcolumnsetsheets
F pfcos	F presetcolumnsetspreadsheets
F pfcosh	F presetmathematics
F pfdeg	F presetmathfontalternate
F pfexp	F presetsymbolist

F previoussubcountervalue	F rawsetupstring
F privatecharacter	F rawsubcountervalue
F privatecharactercode	F read
F processbodyfontsizes	F readfromterminal
F processbuffer	F readline
F processcollectedmath	F readlinedirect
F processedfile	F recolorbox
F processedfiles	F referencecolumn
F processfile	F referencepagedetail
F processfilemany	F referencepagestate
F processfilenone	F referenceposx
F processfileonce	F referenceposy
F processjob	F referencerealpage
F processlist	F registeranchorbox
F processregister	F registerattachment
F processsplit	F registerbackendsymbol
F processsynonyms	F registerbackground
F product	F registerbodyfontsize
F profilebox	F registerbookmark
F profilemacro	F registerboxglyph
F project	F registerbuttons
F pruneboxesincache	F registercolorintent
F purefontname	F registercolumnsetarea
F pushfloat	F registercolumnsetsheet
F pushhyphenation	F registercolumnsetspreadsheets
F pushlist	F registerengineclass
F pushlocalanchors	F registerfallbackfont
F pushlogfile	F registerfiguremask
F pushparagraphtweak	F registerfigurepattern
F pushpath	F registerfigurerange
F pushrandomseed	F registerfiguresuffix
F pushreferenceprefix	F registerfilescheme
F pushregime	F registerfontalternative
F pushrunstate	F registerfontfamily
F pushsectionblock	F registerforcedbreak
F pushstream	F registergroupset
F putboxincache	F registerhashedfiles
F putincolumnset	F registerhelp
F putincolumnsetdirect	F registerhyphenationexception
F putnextboxincache	F registerhyphenationpattern
F qrcodebuffer	F registeritemgroup
F qrcodestring	F registerlabel
F rawMPdata	F registerlanguagefeatures
F rawcharacter	F registerlinenumbering

F registermaintextcolor	F resetinjector
F registermpextensible	F resetlogfile
F registernamedlua	F resetmapfiles
F registernamespace	F resetmathattributes
F registerobject	F resetnullfont
F registerpattern	F resetparallel
F registerpostponedblock	F resetpath
F registerreferencedobject	F resetreference
F registerrendering	F resetscript
F registersection	F resetstructureprocessor
F registershownsynonym	F resetsubcounter
F registersnaprange	F resetsynchronizemarking
F registerstructureprocessor	F resetsynonyms
F registersynchronize	F resettimer
F registersynonym	F resettrackers
F registertransliteration	F resolvedemoji
F registerunit	F restartcounter
F registerunitsshortcut	F restartsubcounter
F registerunknownbodysize	F restorecounter
F registerusedsynonym	F restorecurrentattributes
F registeruserdata	F restorenote
F registerverbosemathlabel	F restoreobject
F removelastring	F reuserandomseed
F renderingvar	F reversevboxcontent
F reorderfloats	F revivefeature
F replacefeature	F rightmathkern
F replacepospxywhd	F romannumerals
F replacewildcard	F rotateparshape
F reportstructure	F rounded
F resavefloat	F roundedfill
F reservedautoregiontag	F roundedoutline
F resetMPinstance	F ruby
F resetalternate	F ruleoptioncodestring
F resetbackgroundrowdata	F runcontextjob
F resetboxesincache	F safechar
F resetcharacteralign	F samplefile
F resetcolumnset	F saveboxresource
F resetcomparingtext	F savebuffer
F resetcounter	F savecounter
F reseteffect	F savecurrentattributes
F resetfeature	F savecurrentvalue
F resetfontfeature	F savedlistnumber
F resetfontsolution	F savedlistprefixednumber
F resetforcedbreak	F savedlisttitle

F savefloat	F setdirection
F saveimageresource	F setdocumentargument
F savemargindata	F setdocumentcommandline
F savenote	F setdocumentctxfile
F savepagedata	F setdocumentdefaultargument
F savepageinjections	F setdocumentenvironments
F saveparallel	F setdocumentfilename
F savepos	F setdocumentfilenames
F savespecificfloat	F setdocumentmodes
F savestructureblock	F setdocumentmodules
F scangivendimensions	F seteffect
F scriptsmodecodestring	F setelementbackendtag
F second	F setelementnature
F selectstructureblock	F setextrafontkerns
F set_extensible_data	F setfieldcalculationset
F setadaptive	F setfigureconversion
F setalternate	F setfigurelookuporder
F setautoprefix	F setfigurepaths
F setbackgroundrowdata	F setfirstline
F setboxglyph	F setfontfeature
F setboxline	F setfontofid
F setbreakpoints	F setfontsolution
F setcharacteralign	F setformat
F setcharacteralignndetail	F setformsmethod
F setcharactercasing	F sethsizecolumnset
F setcharactercleaning	F sethsizecolumnspan
F setcharacterkerning	F sethyphenatedurlcharacters
F setcharacterspacing	F sethyphenationfeatures
F setcharacterstripping	F sethyphenationmethod
F setcloseddocumentaction	F setidentityvariable
F setclosepageaction	F setinitial
F setcolormodel	F setinitialsectionblock
F setcolumnsetarea	F setinjector
F setcolumnsetlines	F setinsertionlocation
F setcolumnsetmvl	F setinsertmigration
F setcolumnsetpresent	F setinterfaceconstant
F setcolumnsetproperties	F setinterfaceelement
F setcolumnsetstart	F setinterfacemessage
F setcomparetext	F setinterfacemessages
F setcomparingtext	F setinterfacevariable
F setcounter	F setinternalreference
F setdataset	F setitaliccorrection
F setdestinationattribute	F setjavascriptpreamble
F setdigitsmanipulation	F setjobcomment

F setlanguageexceptions	F setregionbox
F setlanguageoptions	F setregionboxtagged
F setlanguagepatterns	F setregistermethod
F setlanguagesynonym	F setreplacements
F setlinefiller	F setruby
F setlineprofile	F setrule
F setlocalalignanchor	F setscript
F setlocalmarkanchor	F setsectionblock
F setlocalsyncanchor	F setsectionentry
F setluatable	F setshadow
F setmathalphabet	F setshift
F setmathattribute	F setsofthyphens
F setmathfontalternate	F setsplitlisthtdp
F setmathfontstyle	F setstacking
F setmathsnapping	F setstructureblockstate
F setmathvariant	F setstructurelevel
F setmetaglyph	F setstructurenumber
F setmpextensions	F setsubcounter
F setnaturalwd	F settagcodepoint
F setnegative	F settagcombination
F setnextinternalreferences	F settagcombinationpair
F setnextreferenceorder	F settagconstruct
F setnotestate	F settagdelimitedsymbol
F setopendocumentaction	F settagdescriptionindex
F setopenpageaction	F settagfigure
F setowncounter	F settagfloat
F setownsubcounter	F settagformulacontent
F setpagecolormodel	F settaggedmetadata
F setpagestate	F settaggingcomment
F setpagestaterealapageno	F settaggingoption
F setpagetransition	F settaggingpresets
F setparagraphmetashape	F settaghighlight
F setparagraphshape	F settagitem
F setparbuilder	F settagitemgroup
F setparwrapper	F settaglist
F setpdfcompression	F settagmarginanchor
F setperiodkerning	F settagmargintext
F setpostlistbox	F settagmpgraphic
F setprelistbox	F settagnotation
F setprofile	F settagnotationsymbol
F setrandomseed	F settagparagraph
F setrealign	F settagproperty
F setrealspaces	F settagpublication
F setreferencelinkmethod	F settagregister

F settagsetreferencedescription	F showdiscretionaries
F settagssorting	F showexperiments
F settagssubsentencesymbol	F showfontparameters
F settagssynonym	F showhyphenatedinlist
F settagtablecell	F showhyphenationtrace
F settagtabulatecell	F showinjector
F settransliteration	F showjustification
F setupbookmarks	F showlogcategories
F setupcanvas	F showluatables
F setupcharacterspacing	F showluatokens
F setupcomparingtext	F showmacrostack
F setupexport	F showmessage
F setupfontexpansion	F showpagelist
F setupfontprotrusion	F showparagraphshape
F setupinsertion	F showprofiledmacros
F setuplinenumbers	F showstructure
F setupsynctex	F showtrackers
F setupusermetadata	F silliness
F setupviewerlayer	F simplealign
F setvisual	F simplecases
F setvisualfont	F simplematrix
F setvisuallayer	F sin
F setvisuals	F sind
F setvsizecolumnset	F sl
F setxmpfile	F spaceddigits
F shiftmatrixornaments	F spacefactorcodestring
F shiftparshape	F spaceskipcodestring
F shipoutpage	F special
F showarray	F specificationoptioncodestring
F showassignerror	F specifiedfont
F showattributes	F specifiedfontsize
F showbits	F specifiedfontspec
F showboxinbuffer	F splitfilename
F showbtxdatasetauthors	F splitsamplefile
F showbtxdatasetcompleteness	F spotcolorname
F showbtxdatasetfields	F spotcolorparent
F showbtxentry	F spotcolorvalue
F showbtxfields	F squid_check
F showbtxhashedauthors	F startactualtext
F showbtxtables	F startalternativetext
F showbtxvariants	F startchemical
F showchardata	F startclipping
F showcounter	F startcollectingmath
F showdirectives	F startcolorset

F startcomponent	F stopsectionlevel
F startenvironment	F stopstream
F startfontsolution	F stoptext
F startgraphicgroup	F stopviewerlayer
F startlocalcomponent	F storejavascriptcode
F startmarkpages	F storejavascriptpreamble
F startmatrix	F storenote
F startmirroring	F storeregister
F startpageblock	F strc_tags_document_pop
F startparbuilder	F strc_tags_document_push
F startprerollpageblock	F strc_tags_get_element_tag
F startproduct	F strc_tags_parcounter_pop
F startproject	F strc_tags_parcounter_push
F startregime	F strc_tags_set_aspect
F startrotation	F strc_tags_set_element_user_properties
F startruby	F strc_tags_start
F startscaling	F strc_tags_start_chained
F startsectionlevel	F strc_tags_start_detail
F startstream	F strc_tags_start_ignore
F starttext	F strc_tags_start_userdata
F startviewerlayer	F strc_tags_stop
F step	F stringtoorientation
F stopactualtext	F stripinserts
F stopalternativetext	F structureautocatcodedget
F stopchemical	F structureblockuservariable
F stopclipping	F structurecatcodedget
F stopcollectingmath	F structuregivencatcodedget
F stopcolorset	F structurenumber
F stopcomponent	F structuretitle
F stopenvironment	F structureuservariable
F stopfontsolution	F structurevariable
F stopgraphicgroup	F subcountervalue
F stoplocalcomponent	F subsubcountervalue
F stopmarkpages	F subtocolumnsetmvl
F stopmatrix	F subtocolumnsetmvlbalance
F stopmirroring	F subtractfeature
F stoppageblock	F svghashed
F stopparbuilder	F sync
F stopprerollpageblock	F synccolor
F stopproduct	F synccolorclone
F stopproject	F synccolorcount
F stopregime	F synchronizelocalanchors
F stoprotation	F synchronizemarking
F stopscaling	F synchronizesteps

F synchronizestream	F traverseblock
F syntexblockfilename	F traversemath
F syntexdisable	F triggerpagebuilder
F syntexpause	F truefilename
F syntexpopline	F truefontname
F syntexpushline	F type
F syntexresetfilename	F typebuffer
F syntexresume	F typefile
F syntexsetfilename	F uchar
F synonymfirstuserpage	F uchexnumber
F synonymmeaning	F uchexnumbers
F synonymname	F undefinechemical
F synonympages	F unicodechar
F synonymuserpages	F unihex
F systemlog	F unit
F tabl_ntb_get_sec	F unloadlanguage
F tabl_ntb_set_sec	F unstripinserts
F tagmfunctionlab	F unsupportedcs
F tagmfunctionlabattribute	F useMPlibrary
F tan	F useanyfile
F tand	F useanyfileonce
F textdir	F useboxresource
F texttime	F usecolors
F tf	F usecomponent
F thebox	F useenvironment
F thefirstcharacter	F usefigurebase
F themaxboxwidth	F usefile
F theremainingcharacters	F useimageresource
F tightfitcompensation	F usejavascriptpreamble
F timestring	F usejavascriptscripts
F tobigpoints	F uselibrary
F tobit	F uselist
F tobits	F useluamodule
F tochar	F useluatable
F tohexa	F usemathpluginlibrary
F toorientation	F usemodules
F totalofstring	F usepath
F tounicharnum	F useproduct
F towholebigpoints	F useproject
F transliterate	F usereferences
F transliteratebuffer	F useregister
F transliterated	F usesubpath
F transliteratedbuffer	F usesymbols
F transliterationexception	F usetransliteration

F useurl	F x_table_set_reflow_width
F usezipfile	F xmladdindex
F utfchar	F xmlaftersetup
F utflower	F xmlall
F utfmathclass	F xmlappendsetup
F utfmathcommand	F xmlapplyselectors
F utfmathcommandfiller	F xmlatt
F utfmathfiller	F xmlattdef
F utfmathstretch	F xmlattribute
F utfshape	F xmlattributedef
F utfstrip	F xmlbadinclusions
F utfupper	F xmlbeforesetup
F uuid	F xmlchainatt
F vboxlisttohbox	F xmlchainattdef
F verbose	F xmlchecknamespace
F vpackbox	F xmlcommand
F vpackedbox	F xmlconcat
F way	F xmlconcatrange
F weekday	F xmlcontext
F weekdayname	F xmlcount
F widthofstring	F xmlcssmappedstylevalue
F widthuptohere	F xmlcssstylevalue
F write	F xmldelete
F writeline	F xmldepth
F writestatus	F xmldirect
F writestring	F xmldirectives
F x_table_c	F xmldirectivesafter
F x_table_cleanup	F xmldirectivesbefore
F x_table_construct	F xmldisplayverbatim
F x_table_create	F xmldoif
F x_table_finish_row	F xmldoifatt
F x_table_flush	F xmldoifelse
F x_table_init_construct	F xmldoifelseatt
F x_table_init_reflow_height	F xmldoifelseempty
F x_table_init_reflow_height_option	F xmldoifelseselfempty
F x_table_init_reflow_width	F xmldoifelsetext
F x_table_init_reflow_width_option	F xmldoifempty
F x_table_next_row	F xmldoifnot
F x_table_next_row_option	F xmldoifnotatt
F x_table_r	F xmldoifnotempty
F x_table_reflow_height	F xmldoifnotselfempty
F x_table_reflow_width	F xmldoifnottext
F x_table_set_construct	F xmldoifselfempty
F x_table_set_reflow_height	F xmldoiftext

F xmlelement	F xmlpure
F xmlfileline	F xmlpushmatch
F xmlfilename	F xmlraw
F xmlfilter	F xmlrawtex
F xmlfilterlist	F xmlrefatt
F xmlfirst	F xmlregisterns
F xmlflush	F xmlreapname
F xmlflushcontext	F xmlreapnamespace
F xmlflushlinewise	F xmlremovesetup
F xmlflushpure	F xmlresetinjectors
F xmlflushsetups	F xmlresetsetups
F xmlflushspacewise	F xmlsave
F xmlflushstext	F xmlsetatt
F xmlformulatobuffer	F xmlsetattribute
F xmlfunction	F xmlsetcommandtonone
F xmlgetindex	F xmlsetcommandtotext
F xmlinclude	F xmlsetentity
F xmlincludeoptions	F xmlsetinjectors
F xmlinclusion	F xmlsetpar
F xmlinclusionbase	F xmlsetparam
F xmlinclusions	F xmlsetsetup
F xmlindex	F xmlsnippet
F xmlinlineverbatim	F xmlstartraw
F xmlinstalldirective	F xmlstarttiming
F xmllast	F xmlstopraw
F xmllastatt	F xmloptiming
F xmllastmatch	F xmlstrip
F xmllastpar	F xmlstripanywhere
F xmlloadbuffer	F xmlstripeverything
F xmlloaddata	F xmlstripnolines
F xmlloaddirectives	F xmlstripped
F xmlloadentities	F xmlstrippednolines
F xmlloadfile	F xmltag
F xmlmain	F xmltexatt
F xmlmatch	F xmltexentity
F xmlname	F xmltext
F xmlnamespace	F xmltobuffer
F xmlnonspace	F xmltobuffertextonly
F xmlpar	F xmltobufferverbose
F xmlparam	F xmltofile
F xmlpath	F xmltoparameters
F xmlpopmatch	F xmlverbatim
F xmlpos	F xmlwithindex
F xmlprependsetup	F year

T containers	F rule
F cleannname	F runfile
F content	F runstring
F define	F safechar
F is_usable	F secondoftwoarguments
F is_valid	F setconditional
F read	F setfontid
B usecache	F setmode
F write	F setsystemmode
T context	F settracing
F bc	F settrialtypesettingmethod
F bgroup	F space
F char	F sprint
F concat	F startcollecting
D conditionals	F step
F cssdimension	F stepwise
F ctxescape	F stopcollecting
F ctxescaped	D systemmodes
F direct	F tobuffer
F egroup	D tokenizedcs
F escape	F tolines
F escaped	F trialtypesetting
F firstofoneargument	F unprotect
F firstoftwoarguments	F utfchar
F fprint	F viafile
F getlogger	T converters
F glyph	F A
F gobbleoneargument	F A:es
F latelua	F A:ru
F loadfile	F A:sl
F loadviafile	F AK
D modes	F Alphabetic
F newindexer	F Alphabetic:es
F newtexthandler	F Alphabetic:ru
F newverbosehandler	F Alphabetic:sl
F nr	F Character
F par	F Characters
F popcatcodes	F I
F poplogger	F KA
F printlines	F KR
F printtable	F R
F protect	F RK
F pushcatcodes	F Romannumerals
F pushlogger	F Russiannumerals

F Sloveniannumerals	F number
F Spanishnumerals	F numbers
F Word	F octnumber
F Words	F octstringtonumber
F a	F ordinal
F a:es	F r
F a:ru	F romannumerals
F a:sl	F russiannumerals
F abjadnodotnumerals	D sequences
F abjadnumerals	F settime
F alphabetic	F sloveniannumerals
F alphabetic:es	F spaceddigits
F alphabetic:ru	F spanishnumerals
F alphabetic:sl	F textime
F character	F toabjad
F characters	F tochinese
F chineseallnumerals	F tohebrew
F chineseapnumerals	F toroman
F chinesedatenumerals	F totime
F chinesenumerals	F uchexnumber
F chr	F uchexnumbers
F chrs	F upper
F cn	F weekday
F cn-a	F word
F cn-c	F words
F cn-d	T coroutine
F convert	F close
F decimals	F create
F define	F isyieldable
F gregorian_to_hebrew	F resume
F gregorian_to_jalali	F running
F hebrenumerals	F status
F hexstringtonumber	F wrap
F i	F yield
F isleapyear	T ctxrunner
F jalali_to_gregorian	F load
F lchexnumber	F preparedfile
F lchexnumbers	D prepfiles
F leapyear	F resolve
F lower	T debug
F max	F getinfo
F maxchrs	F sethook
F nicenumber	F traceback
F nofdays	F dimen

T dir	F setmodes
F collectpattern	F setmodules
F current	D variables
F expandlink	T documentdata
F expandname	F variable
F found	F dofile
F glob	T drivers
F globdirs	F applyanchor
F globfiles	F applyorientation
F globpattern	F convert
F ls	F enable
F makedirs	F finalize
F mkdirs	F gethpos
F pop	F gethvrpos
F push	F getpos
T directives	F getrpos
D data	F getvpos
F default	F initialize
F disable	F install
F enable	N lmtxversion
F list	F outputfilename
S name	F report
F register	T effects
F report	F brownianmotion
F reset	F browniannoise
F show	F getoctaveloops
F value	F getoctavemethods
F values	F getoctavestatus
T document	F getoctavevariants
D arguments	F newoctave
F getargument	F octave
F getfilename	F octavebytemap
F pdf_cleanup_cidsets	F perlinmotion
F pdf_cleanup_procsets	F perlinnoise
F pdf_identify_content	F simplexangle
F pdf_serialize_content	F simplexdetail
F pdf_strip_content	F simplexnoise
F pdf_strip_page	F stepoctave
F setargument	F worleybounds
F setcommandline	F worleymotion
F setdefaultargument	F worleynoise
F setenvironments	T environment
F setfilename	F argument
F setfilenames	D arguments

D basicengines	F splitarguments
N currentrun	S suffix
F definefilefallback	F texfile
F definefilesynonym	S texmfos
D engineflags	S texos
S filename	S texroot
D filesynonyms	F truefilename
N forcedruns	F useluamodule
F getargument	F usemodules
F globfiles	D validengines
S homedir	S version
B initex	F error
B initexmode	T experiments
F initializearguments	D data
F initializefilenames	F default
S inputfilebarename	F disable
S inputfilename	F enable
S inputfilesuffix	F list
S jobfilefullname	S name
S jobfilename	F register
S jobfilesuffix	F report
N kindofrun	F reset
N lmtxmode	F show
F loadexamodes	F value
F loadluafile	F values
F luafile	T figures
F luafilechunk	F applyratio
S luatexengine	F badname
N luatexfunctionality	D bases
S luatexverbose	F bitmapimage
N luatexversion	N boxnumber
N maxnofruns	F bytepalette
S oldhome	D cachepaths
D originalarguments	F check
S outputfilename	D checkers
S ownbin	D conversions
S ownmain	D converters
S ownname	F current
S ownpath	N defaultdepth
B prerollrun	N defaultheight
D rawarguments	B defaultsearch
F reconstructcommandline	N defaultwidth
F relativepath	F done
F setargument	F dummy

D exists	F addsuffix
F exists	F basename
D formats	F checksum
D found	F collapsepath
F get	F copy
F getinfo	F dirname
F getpdfinfo	F expandname
F getrealpage	F extname
F guess	F is_qualified_path
F guessfromstring	F is_readable
F hash	F is_rootbased_path
D identifiers	F is_writable
F identify	F isreadable
F include	F iswritable
D includers	F join
F initialize	F joinpath
D loaded	F loadchecksum
D localpaths	F nameonly
D magics	F nametotable
F mergegoodies	F needs Updating
N nofmissing	F needsupdating
N nofprocessed	F pathpart
D order	F readdata
D paths	F removesuffix
D patterns	F replacesuffix
F pop	F reslash
B preferquality	F robustname
D programs	F savechecksum
F push	F savedata
F qrcode	F size
F registerpattern	F splitbase
F registerresource	F splitname
F registersuffix	F splitpath
D remappers	F suffix
D resources	F suffixes
F scale	F suffixesonly
F set	F suffixonly
F setconversion	F syncmtimes
F setlookups	F withinbase
F setorder	T fio
F setpaths	F getposition
D suffixes	F read2dot14
D used	F readbytes
T file	F readbytetable

F readcardinal1	F consult
F readcardinal1le	F flush
F readcardinal2	F getvariable
F readcardinal2le	F hasstacked
F readcardinal3	F nofstacked
F readcardinal3le	F pop
F readcardinal4	F push
F readcardinal4le	F resave
F readcardinaltable	F save
F readcline	F stacked
F readcstring	T font
F readdouble	F addcharacters
F readdoublele	F addquality
F readfixed2	F current
F readfixed4	F define
F readfloat	F getfont
F readfloatle	F getfontdimen
F readinteger1	F getfontfields
F readinteger1le	F getfontspec
F readinteger2	F getmathcharacterfields
F readinteger2le	F getmathindex
F readinteger3	F getmathspec
F readinteger3le	F getparameterfields
F readinteger4	F gettextcharacterfields
F readinteger4le	F id
F readintegertable	F max
F setposition	F nextid
F skipposition	F setfont
F writecardinal1	F setfontdimen
F writecardinal1le	F xscaled
F writecardinal2	F yscaled
F writecardinal2le	T fonts
F writecardinal3	F current
F writecardinal3le	F currentid
F writecardinal4	F definetypeface
F writecardinal4le	F enhanceid
F writedouble	D expansions
F writedoublele	D formats
F writefloat	F getalternate
F writefloatle	F getindices
T floats	F getkern
F analysemethod	F getmultiple
F checkedpagefloat	F getsubstitution
F collect	F infofont

F mode	F tocontext
D names	F bpsize
D nulldata	T colorspace
D protrusions	T identifiers
F registersanitizer	F bitmap
F reserveid	F jp2
F toeffect	F jpeg
T functions	F jpg
F dummy	F png
F getmetatable	F identify
T globaldata	F registerpdfcompactor
N CONTEXTLMTXMODE	F registerpdffont
N LUAFORMAT	T synchronizers
N LUAMAJORVERSION	F collapse
N LUAMINORVERSION	F collect
S LUATEXENGINE	F extend
N LUATEXFORMATID	F getbottom
N LUATEXFUNCTIONALITY	F getd
S LUATEXVERBOSE	F geth
N LUATEXVERSION	F getkind
N LUAVERSION	F getsizes
F SAVEDREQUIRE	F gettask
F assert	F gettop
F characterkern	F getw
F collectgarbage	F getx
F dimen	F gety
F dofile	F prune
F error	T gzip
F getmetatable	F compress
T graphics	F compressed
T backgrounds	F decompress
F fetchmultibar	F load
F pair	F save
F path	F suffix
F point	T helper
T bitmaps	F getprofile
F flush	F mathnested
F load	F mathprocess
T loaders	F mathstep
F jpeg	F snapindeed
F jpg	F snaplist
F png	F traversecharmmethod
F new	F traverseglyphmethod
F placeholder	F traversehorizontal

F traversevertical	D complete
F inspect	D constants
T interactions	D corenamespaces
D attachments	S currentinterface
T fields	S currentresponse
F clone	F definecommand
F define	F defined
F defineset	F doifelsemessage
F insert	D elements
T general	T floats
F getidentity	D formats
F getidentityvariable	F getmessage
T help	F getnamespace
F collect	F getsetupstring
F reference	D hashedsetups
F register	F implement
T javascripts	T integers
F addtopreamble	F interfacedcommand
F code	T interfaces
D codes	F knownscanner
F flushpreambles	F message
D functions	F nameofscanner
D preambles	T namesofscanners
F setpreamble	T namespaces
F storecode	F define
F storepreamble	F list
F usepreamblenow	T numbers
F usescripts	F registernamespace
D linkedlists	F registerscanner
T pages	D scanners
F setpagetransition	F setconstant
F setupcanvas	F setcount
T references	F setdimen
F setcloseddocumentaction	F setelement
F setclosepageaction	F setformat
F setopendocumentaction	F setmacro
F setopenpageaction	F setmessage
D renderings	F setmessages
T interfaces	F settranslation
T arrays	D setupstrings
D cachedsetups	F setvariable
F cachesetup	F showmessage
T cardinals	D storedscanners
F checkedspecification	F tolist

D translations	F setdata
D usednamespaces	D tobesaved
D variables	F disablesave
F writestatus	T embedded
T io	D collected
F ask	D tobesaved
F bytes	T fileobjreferences
F characters	D collected
F close	D tobesaved
F copydata	T files
F exists	D collected
S fileseparator	F context
F flush	B forcerun
F gobble	F run
F input	D tobesaved
F lines	F getrandomseed
F loadchunk	F initialize
F loaddata	T linkedlists
F loadlines	D collected
F newreader	D tobesaved
F noflines	F load
F open	F loadother
F output	T meshedup
S pathseparator	D collected
F popen	D tobesaved
F read	T objects
F readall	D collected
F readnumber	F get
F readstring	F number
F savedata	F page
F size	F save
U stderr	F set
U stdin	D tobesaved
U stdout	B pack
F tmpfile	N packversion
F type	T pagestates
F write	D collected
F ipairs	F countervalue
T job	F extend
F comment	F realpage
T datasets	F realpageorder
D collected	F setstate
F extend	D tobesaved
F getdata	T parwrappers

D collected	F position
D tobesaved	F r
T positions	F region
F b_column	F registerhandlers
F b_region	F replace
F c	F rightskip
D collected	F set
F column	F setall
F columnofpos	F setregionbox
F copy	F setspec
F depth	F settobesaved
F e_column	D tobesaved
F e_region	F upperleft
F enhance	F upperright
F extra	F used
F get	F whd
F getcolumndata	F width
F getfree	F x
F gethpos	F xy
F gethvrpos	F y
F getpos	F register
F getreserved	F save
F getrpos	T structure
F getsync	D collected
F gettobesaved	T components
F getvpos	T namestack
F hangafter	T tobesaved
F hangindent	T branches
F height	S name
F hsize	S type
N lastr	T variables
N lastx	D checksums
N lasty	D collected
F leftskip	F getchecksum
F lowerleft	F makechecksum
F lowerright	F restore
F markregionbox	F save
F n	F setchecksum
F onsamepage	D tobesaved
F overlapping	N version
F p	T kdtree
F page	F delete
F paragraph	F found
F parindent	F insert

F nearest	F getdata
F nearestindex	F getdata
F new	F getmetadata
F newweighted	F getnumber
F reset	F goodiefiles
F totable	T hjcounts
F traverse	F hyphenate
T kpse	T hyphenators
T language	T dictionaries
F clean	D featuresets
F clearhyphenation	F handler
F clearpatterns	T methods
F current	F expanded
F gethjcode	B none
F haslanguage	F original
F hyphenate	F tex
F hyphenation	F traditional
F hyphenationmin	F popmethod
F id	F pushmethod
F new	F setmethod
F patterns	F setup
F postexhyphenchar	F showhyphenationtrace
F postthyphenchar	T traditional
F preexhyphenchar	F definefeatures
F prehyphenchar	F gettrace
F sethjcode	F hyphenate
F setwordhandler	F injecthyphens
T languages	F installmethod
F addgoodiesdata	F lasttrace
F addgoodiesfile	F loadpatterns
T appliedoptions	F registerexception
F associate	F registerpattern
D associated	F setfeatures
F association	F installed
D counters	F installhandler
F current	T labels
D data	F define
D decimals	F split
F define	F loadable
F explicithyphen	F loadwords
F exportlanguage	T logger
F flatten	F report
T frequencies	F nofflattend
F averagecharwidth	D numbers

F pdflanguage	B enables
F postexhyphenchar	F found
F posthyphenchar	F load
F preexhyphenchar	T methods
F prehyphenchar	N threshold
D registered	T layouts
T registeredactions	F getcanvas
T replacements	F getpagedimensions
F add	F setupcanvas
F addlist	T status
F handler	F isleftpage
F set	F lefttorrightrightpageaction
F serializediscretionary	T lfs
F setexceptions	F attributes
F setgoodieshandler	F canonicalize
F setoptions	F chdir
F setpatterns	F currentdir
F setsynonym	F dir
F setwordhandler	F expandpath
F showdiscretionaries	F isdir
F strippedgoodiewords	F isfile
F tolang	F isfound
T transliteration	F isreadabledir
F exception	F isreadablefile
F handler	F iswriteabledir
F register	F iswriteablefile
F set	F link
F use	F mkdir
F unload	F mkdirs
T urls	F modification
D characters	F readlink
N lefthyphenmin	F rmdir
D mapping	F setexecutable
B packslashes	F symlink
N righthyphenmin	F symlinktarget
F setcharacters	F touch
N version	F walkdir
F visualizediscretionaries	T libraries
T words	D basiclua
F check	D basictex
T data	D builtin
F disable	D extralua
F enable	D extratex
T enablers	D functions

D globals	F type
D obsolete	F urlescape
D optional	F variable
T lmx	T variables
F color	S color-background-blue
F convert	S color-background-body
F convertfile	S color-background-green
F convertstring	S color-background-main
F einject	S color-background-purple
F eprint	S color-background-yellow
F escape	S title-default
F finalized	F load
F finject	D loaders
F fprint	F loadfile
F get	F loadstring
F getvariables	T logs
F htmfile	F application
T html	F categories
F a	F direct
F td	F disable
F th	F enable
F include	F finalactions
T inherited	F flush
S color-background-four	F loggingerrors
S color-background-one	F messenger
S color-background-three	F new
S color-background-two	F newline
S title	F poplogfile
F initialize	F poptarget
F inject	T private
F lmxfile	F enablepagetiming
F loadedfile	F getpagetiming
F make	F pushlogfile
F new	F pushtarget
F popupfile	F registerfinalactions
F print	F report
F pv	F reporter
F report	F resetlogfile
F reset	F setformats
F result	F setformatters
F set	F setlogfile
F show	F setmessenger
F stripcss	F setprocessor
F tv	F settarget

F settimedlog	F colorspec
F settranslations	F colorvalue
F show	F colorvalues
F start_page_number	F commentsymbols
F start_run	F compressdata
F starterrorlogging	F compresslevel
F startfilelogging	F constant
F status	F copyarray
F stop_page_number	F copyboolean
F stoperrorlogging	F copyconstant
F stopfilelogging	F copydictionary
F subdirect	F copyfloat
F subreport	F copyinteger
F system	F copynumber
F texerrormessage	F copystring
F writer	F copyunicode
T lpdf	F deferredobject
F action	F delayedobject
F adddocumentcolorspace	F destinationspecification
F adddocumenttextgstate	F dictionary
F adddocumentpattern	F docstring
F adddocumentshade	T encodingvalues
F addtocatalog	N base16
F addtoinfo	N base85
F addtonames	N decoded
F addtopageattributes	N encoded
F addtopageresources	N plain
F addtopagesattributes	N utf16be
F addxmpinfo	N utf16le
F annotationspecification	T endpoints
F array	S Div
F attachmentsymbols	S Part
F boolean	S Sect
F border	T epdf
F checkedkey	F allcontent
F checkedresources	F analyzefonts
F checkedvalue	F contentplugin
F circularshade	F contenttostring
F close	F contenttotext
F cmykcode	D encryptioncodes
F collectedresources	F expanded
F color	F expandwidths
F colorspace	F fontplugin
D colorspaceconstants	F getpagecontent

F getstructure	N ReadOnly
T helpers	N ToggleNoView
F tounicodetable	N auto
T image	N hidden
F close	N printable
F copy	T widgets
F new	N Comb
F open	N CommitOnSelChange
F query	N DoNotScroll
F load	N DoNotSpellCheck
F mergewidths	N Edit
D objectcodes	N FileSelect
F objectrange	N MultiLine
F objecttype	N NoExport
F pageplugin	N NoToggleToOff
F parsecontent	N Password
F producer	N PopUp
T resolvers	N PushButton
F destinations	N Radio
F embeddedfiles	N RadiosInUnison
F javascripts	N ReadOnly
F layers	N Required
F pages	N RichText
F structure	N Sort
F widgets	N file
F unload	N fixed
F verboseobject	N nocheck
F escaped	N protected
F finalizeddocument	N readonly
F finalizepage	N required
F finalizesignature	N sorted
F finishtransparencycode	N unavailable
T flags	F flushfonts
T annotations	F flushgroup
N AutoView	F flushobject
N Hidden	F flushstreamfileobject
N Invisible	F flushstreamobject
N Locked	T fonts
N LockedContents	F color_direct
N NoRotate	F color_indirect
N NoView	D formats
N NoZoom	F frombytes
N Print	F fromeight
N Printable	F frompdfdoc

F fromsixteen	F majorversion
F getcatalog	F makenametree
F getcompression	F minorversion
F getfontname	F noffontregistries
F getfontobjectnumber	F nopages
F getformatoption	F null
F getinfo	F number
F getmatrix	F object
F getnofpages	F objectcompresslevel
F getpageproperties	F pagereference
F getpagereference	F patternstream
F getpagetags	F pdfcolor
F getpos	F pdftimestamp
F gettaggingstatus	T permissions
F gettrailerid	N access
F getversion	N add
F getxformname	N assemble
F graycode	N extract
T h_hex_2	N fillin
S	N modify
S	N print
S	N quality
S	F preparesignature
S	F print
S (	F procset
S)	B protectresources
S \	F quads
T h_hex_4	F rectangle
F hasmatrix	F reference
F immediateobject	F registerannotation
F includeimage	F registerdestination
F initialize	F registerdocumentfinalizer
T injectors	F registerfontmethod
F bitmap	F registerinitializer
F jp2	F registerpagefinalizer
F jpg	F registerpattern
F png	F registersignature
F injectxmpinfo	F replacexmpinfo
F insertxmpinfo	F reserveobject
F lastreferredpage	F rgbcode
F layerreference	F rotationcm
F limited	F setcompression
F linearshade	F setencryption
F literal	F setpageorder

F setpagestate	F Ct
F setpagetag	F P
F setutfstringmode	F R
F setversion	F S
F sharedobject	F UP
F shareobject	F UR
F shareobjectreference	F US
F splitsixteen	F V
F spotcode	F afterprefix
F stream	F anywhere
F string	F append
F supportedformats	F balancer
F tocidset	F beforesuffix
F toeight	F checkedsplit
F topdfdoc	F containsws
F topermissions	F counter
F tosixteen	F endstripper
F transparency	F finder
F transparencycode	F firstofsplit
T transparencygroups	F frontstripper
B none	F instringchecker
F transparencyvalue	F is_lpeg
F unicode	F keeper
T usedcharacters	F locale
T usedfontnames	F match
N dejavusansmonoboldttf-1-0-0	F oneof
T usedfontobjects	D patterns
N dejavusansmonoboldttf-1-0-0	F pcode
D usedfontstreams	F print
T usedindices	F ptree
T dejavusansmonoboldttf-1-0-0	F replacer
T dejavusansmonottf-1-0-0	F secondofsplit
F verbose	F setmaxstack
T lpeg	F setutfcasers
F B	F split
F C	F splitat
F Carg	F splitter
F Cb	F stripper
F Cc	F times
F Cf	F tsplitat
F Cg	F tsplitter
F Cmt	F type
F Cp	F utfR
F Cs	F utfchartabletopattern

F utfreplacer	S startupfile
S version	F subnibble
T lua	F usestringcall
F addnibble	S version
T bytecode	T luac
D bytedata	F inspect
T bytedone	F print
F callbytecode	T luatex
F comparekeys	F abort
F finalizeinitex	F cleanup
N firstbytecode	F cleanuptempfiles
F get_functions_table	F currentfile
F getallkeys	F currentlevel
F getbytecode	F currenttotal
F getcheckedkeys	F poprunstate
F getcurrenttime	F pushrunstate
F getdebuginfo	F registerdumpactions
F getexitcode	F registerpageactions
F getfunctionstable	F registerstartactions
F getnibble	F registerstopactions
F getnumerickeys	F registertempfile
F getprecisesecconds	N starttime
F getpreciseticks	T syntex
F getruntime	F blockfilename
F getstacktop	F collect
F getstartupfile	F disable
F getstringkeys	F enable
F getversion	F finish
N lastbytecode	F isenabled
F luastringcall	F pause
D messages	F popline
F mpsstringcall	F pushline
F newindex	F registerdisabler
F newtable	F registerenabler
D numbers	F resetfilename
F protectglobal	F resume
F registercode	F setfilename
F registeredcodes	F setup
F registerglobal	F start
F registerinitexfinalizer	F stop
F registername	F wrapup
F setbytecode	F wrapup
F setexitcode	T lxml
F setnibble	F addindex

F all	F flushlinewise
F applyfunction	F flushsetups
F applyselectors	F flushspacewise
F att	F get_id
F attribute	F getid
F badinclusions	F getindex
F chainattribute	F id
F checkindex	U idsplitter
F collected	F ifatt
F command	F ifattempty
F concat	F include
F concatrange	F inclusion
F content	F inclusions
F context	F index
F convert	F inlineverbatim
F count	F installsetup
F delete	F last
F depth	F lastatt
F direct	F lastmatch
T directives	F lastpar
F after	F load
F before	F loadbuffer
F handle	F loaddata
F load	T loaded
F setup	F main
F displayverbatim	F match
F doif	F name
F doifelse	F namespace
F doifelseempty	F nonspace
F doifelsetext	T obsolete
F doifempty	F get_id
F doifnot	F par
F doifnotempty	F param
F doifnottext	F parameter
F doiftext	F path
F element	F popmatch
F elements	F pos
D entities	F position
F fileline	F pure
F filename	F pushmatch
F filter	F raw
F filterlist	F rawroot
F first	F rawtex
F flush	F refatt

F register	F withindex
F registerentity	D xmltexhandler
F removesetup	T math
F replace	F abs
F resetcdata	F acos
F resetsetups	F asin
F resolvedentity	F atan
F root	F atan2
F save	F ceil
F serialize	F ceiling
F setaction	F cos
F setatt	F cosd
F setattribute	F cosh
F setcdata	F deg
F setcommandtonone	F div
F setcommandtotext	F even
F setpar	F exp
F setparam	F floor
F setparameter	F fmod
F setsetup	F frexp
F snippet	N huge
T sorters	N initialseed
F add	F ldexp
F compare	F log
F flush	F log10
F reset	F max
F show	N maxinteger
F sort	F min
F splitid	N mininteger
F startraw	F mod
F startunescaped	F modf
F stopraw	F odd
F stopunescaped	N pi
F store	F pow
F strip	F rad
F stripped	F random
F tag	F randomseed
F texatt	F round
F text	F setrandomseedi
F tobuffer	F sin
F tofile	F sind
F toparameters	F sinh
F toverbatim	F sqrt
F verbatim	F tan

F tand	F apply
F tanh	F install
F tointeger	F fallbackstyleattr
F type	F familyname
F ult	F functiontype
T mathematics	D gaps
F addfallbacks	F getblobindex
F addvariant	F getboth
D alphabets	F getdomainname
D alternatives	F gettextensibledata
F beforepassingfonttotex	F getmathblob
F big	F getoptionallabel
D boldmap	F getstyle
T categories	F gettextblob
D functions	F getverboselabel
D charactersets	F horizontalcode
F checkaftercopyingfont	F initializeparameters
D classes	F makefont
D classnames	D mapremap
D codes	F markblobindexdone
F define	F overloadparameters
T dictionaries	F preset
D data	T presets
D defaults	T less
D groups	T more
F groupset	T zero
F groupsetgroup	N privatebase
F name	F registerextensible
D names	F registersimplematrix
F registercharacter	F registerverboselabel
F registergroup	F remapalphabets
F registergroupset	F renderextensible
D sets	T renderings
D variants	D mappings
F dimensions	D numbers
F disablecollecting	D sets
T domainlabels	F renderset
T domainnames	F resetattributes
N default	F scaleparameters
F enablecollecting	F settextensibledata
F extensiblecode	F setmathsymbol
D extensibles	D sets
N extrabase	F setsnapping
T fallbacks	F setvariant

F strutcode	F fallbacks
D styles	F fixaccents
F syncboth	F fixellipses
F syncname	F fixintegrals
F syncstyle	F fixoldschool
T tagging	F fixprimes
B mfenced	F fixradicals
F toengineclass	F fixslashes
F toname	F fixvariants
F tostyle	F flattenaccents
F tweakaftercopyingfont	F fontname
F tweakbeforecopyingfont	F inspect
T tweaks	F keepbases
F accentdimensions	F kernpairs
F action	F kerns
F addactuarian	T kernsets
F addarrows	T .,
F addbars	F margins
F addcomposites	F message
F addequals	F moveitalics
F addfourier	F movelimits
F addmirrors	F parameters
F addparts	F radicalbodymargins
F addprivates	F radicaldegreeanchors
F addrules	F replace
F addscripts	F replacealphabets
F bigslots	F replacerules
F checkaccents	F setoptions
F checkspacing	F setovershoots
F copyaccents	F showinfo
T datasets	F simplifykerns
T accentdimensions	F sortvariants
T accent	F staircase
T over	F strut
T under	T subsets
T addarrows	T acenorsuvxz
T addscripts	T bhklt
T checkspacing	T d
T copyaccents	T dotless
T fixprimes	T f
T fixslashes	T gjqy
T wipecues	T horizontalfences
F dimensions	T i
F extendaccents	T integrals

T letterlike	N cycle
T mw	N definedmacro
T p	N delimiters
F substitute	N endgroup
F topanchors	N equals
F tweaks	N etex
F version	N everyjob
F wipeanchors	N exittest
F wipecues	N expandafter
F wipeitalics	N fiorelse
F wipevariants	N if
F utfmathaccent	N input
F utfmathclass	N interim
F utfmathcommand	N internal
F utfmathfiller	N iteration
F utfmathstretch	N leftbrace
F variantcode	N leftbracket
F variantcount	N leftdelimiter
F virtualize	N let
D virtualized	N macrodef
T md5	N macrospecial
F HEX	N maketext
F dec	N message
F hex	N mode
F sum	N newbytemap
F sumHEXA	N newinternal
F sumhexa	N nullary
T metapost	N numeric
F checkformat	N of
F checktracingonline	N ofbinary
F cm	N onlyset
T codes	N parametertype
N addto	N pathconnect
N ampersand	N pathjoin
N and	N plusorminus
N assignment	N primarybinary
N atleast	N primarydef
N begingroup	N property
N btex	N protection
N capsule	N relax
N colon	N repeatloop
N comma	N rightbrace
N controls	N rightbracket
N curl	N rightdelimiter

N runscript	F flushfigure
N save	F startfigure
N scantokens	F stopfigure
N secondarybinary	F textfigure
N secondarydef	F tocomment
N semicolon	F flushnormalpath
N setbounds	T fonts
N shipout	F define
N show	F format_number
N slash	F format_string
N step	F formatnumber
N stop	F getbackendoption
N str	F getbendtolerance
N string	F getbuffer
N tag	F getclippath
N tension	F getextensions
N tertiarybinary	F getextradata
N tertiarydef	F gethashentries
N thingstoadd	F getinstancebyname
N to	F getinstanceinfo
N typename	F getinstancenames
N unary	F getjobdata
N undefinedcs	F getmovetolerance
N until	F getparameter
N void	F getparameterpreset
N with	F getparameterset
N within	F getrecord
N write	F getstatistics
F colorinitializer	F gettext
F convert	F gettolerance
F currentmpx	F graphic
F currentmpxstatus	F graphic_base_pass
S defaultformat	F hascurvature
S defaultinstance	F includesvgbuffer
S defaultmethod	F includesvgfile
F directrun	F installplugin
F escaped	F isobject
T exectime	T knownparameters
D extensiondata	S lastlog
F filter	F load
F filterclippath	F maketext
F flush	F mesh
T flushers	F mesher
T pdf	F meshupper

T metafonts	F resetlastlog
T metafun	F resetplugins
F interpolate	F run
F topath	F runinternal
T mptopdf	F runscript
F convertmpstopdf	F scanparameters
N noconverted	F scriptindex
N n	F setbendtolerance
F newlogger	F setbuffer
N nofruns	F setextensions
F nofscriptruns	F setlogging
F nvformat	F setmovetolerance
F pdfliterals	F setoutercolor
F pluginactions	F setparameter
F points	F setparameterset
F pointset	F setrecord
F popformat	F settext
F popscriptrunner	F settolerance
F popvariable	F setvariable
F popvariables	B showlog
F preparetexttextsdata	F showsvgpage
F process	F simple
F processing	F splitprescript
F processplugins	F startgraphic
T properties	F startsvghashing
F pushformat	F stopgraphic
F pushscriptrunner	F stopsvghashing
F pushvariable	F svformat
F pushvariables	B svgcachefile
B quitonerror	F svgcolorremapper
B reducetogray	T svgfactors
F registerdirect	N %
F registerfilter	N bp
F registermesher	N cm
F registermeshupper	N em
F registerpointset	N ex
F registerscript	N in
F registertokens	N mm
F remappedtext	N pc
F remaptext	N pt
F reporterror	N px
F reportsvgfonts	F svgglyphomp
F reset	F svgshapeomp
F resetbackendoptions	F svgshapestopdf

F svgsplitcolor	T variables
F svgtopm	T mime
F svgtopdf	F b64
F xsxy	F decode
T tex	T decodet
F get	F base64
F reset	F quoted-printable
F set	F dot
F setfrombuffer	F encode
B texerrors	T encodet
F texexp	F base64
F theclippath	F quoted-printable
F tographic	F eol
F totable	F normalize
T types	F qp
N boolean	F qpwrp
N cmykcolor	F report
N color	F stuff
N dependent	F unb64
N independent	F unqp
N known	F wrap
N nep	T wrapt
N numeric	F base64
N pair	F default
N path	F quoted-printable
N pen	F text
N picture	F wrp
N protodependent	T moduledata
N string	T modules
N structured	D anch-loc
N suffixedmacro	D anch-pgr
N tokenlist	D anch-snc
N transform	D back-exp
N unknownboolean	D back-exp-imp-fnt
N unknownnep	D back-exp-imp-mth
N unknownpath	D back-exp-imp-ref
N unknownpen	D back-exp-imp-tag
N unknownpicture	D back-imp-lua
N unknownstring	D back-imp-mps
N unsuffixedmacro	D back-imp-pdf
N vacuous	D back-imp-pdp
F typesvgpage	D blob-ini
F unload	D buff-imp-default
F untagvariable	D buff-imp-escaped

D buff-imp-lua	D font-imp-dimensions
D buff-imp-mp	D font-imp-effects
D buff-imp-nested	D font-imp-italics
D buff-imp-parsed-xml	D font-imp-ligatures
D buff-imp-tex	D font-imp-math
D buff-imp-xml	D font-imp-notused
D buff-ini	D font-imp-properties
D buff-par	D font-imp-quality
D buff-ver	D font-imp-reorder
D char-enc	D font-imp-scripts
D chem-ini	D font-imp-spacekerns
D chem-str	D font-imp-tex
D cldf-com	D font-imp-text
D cldf-ver	D font-imp-tracing
D colo-icc	D font-imp-tweaks
D colo-ini	D font-imp-unicode
D cont-run	D font-ini
D core-con	D font-lig
D core-ctx	D font-log
D core-dat	D font-lua
D core-sys	D font-map
D driv-shp	D font-mpf
D file-mod	D font-mps
D file-syn	D font-nod
D font-afk	D font-ogr
D font-agl	D font-one
D font-aux	D font-onr
D font-cff	D font-osd
D font-chk	D font-ota
D font-cid	D font-otc
D font-col	D font-otd
D font-con	D font-oth
D font-ctx	D font-oti
D font-def	D font-otj
D font-dsp	D font-otl
D font-enc	D font-oto
D font-enh	D font-otr
D font-fbk	D font-ots
D font-fmp	D font-ott
D font-hsh	D font-oup
D font-imp-checks	D font-pat
D font-imp-combining	D font-prv
D font-imp-compound	D font-san
D font-imp-digits	D font-sel

D font-shp	D lpdf-col
D font-sol	D lpdf-epa
D font-syn	D lpdf-epd
D font-tfm	D lpdf-fix
D font-tpk	D lpdf-fix-imp-contents
D font-trt	D lpdf-fix-imp-fonts
D font-ttf	D lpdf-fld
D font-txt	D lpdf-fmt
D font-vfc	D lpdf-grp
D font-vir	D lpdf-img
D good-ctx	D lpdf-ini
D good-gen	D lpdf-lmt
D good-ini	D lpdf-mis
D good-mth	D lpdf-ren
D grph-bmp	D lpdf-rul
D grph-con	D lpdf-sig
D grph-epd	D lpdf-tag
D grph-fil	D lpdf-u3d
D grph-img	D lpdf-wid
D grph-inc	D lpdf-xmp
D grph-pat	D lxml-css
D grph-raw	D lxml-dir
D grph-rul	D lxml-ent
D grph-trf	D lxml-ini
D grph-u3d	D lxml-mms
D java-ini	D lxml-sor
D lang-cnt	D lxml-tex
D lang-def	D math-act
D lang-dis	D math-ali
D lang-exc	D math-dim
D lang-hup	D math-ext
D lang-hyp	D math-fbk
D lang-ini	D math-fnt
D lang-lab	D math-frc
D lang-rep	D math-inc
D lang-tra	D math-ini
D lang-txt	D math-map
D lang-url	D math-mps
D lang-wrd	D math-noa
D libs-imp-curl	D math-pre
D libs-imp-ghostscript	D math-rad
D libs-imp-graphicsmagick	D math-ren
D libs-ini	D math-spa
D lpdf-ano	D math-tag

D math-txt	D page-ini
D math-vfu	D page-inj
D meta-blb	D page-ins
D meta-fnt	D page-lin
D meta-fun	D page-mix
D meta-imp-txt	D page-otr
D meta-ini	D page-pst
D meta-lua	D page-sel
D meta-nod	D page-str
D meta-pdf	D phys-dim
D meta-tex	D publ-aut
D mlib-ctx	D publ-dat
D mlib-fio	D publ-fnd
D mlib-int	D publ-inc
D mlib-lmp	D publ-ini
D mlib-lmt	D publ-jrn
D mlib-lua	D publ-oth
D mlib-mat	D publ-reg
D mlib-mpf	D publ-sor
D mlib-msh	D publ-tra
D mlib-pdf	D publ-usr
D mlib-pos	D regi-ini
D mlib-pps	D scrn-but
D mlib-ptr	D scrn-flt
D mlib-pts	D scrn-hlp
D mlib-ran	D scrn-ini
D mlib-run	D scrn-pag
D mlib-scn	D scrn-ref
D mlib-snc	D scrn-wid
D mlib-svg	D scrp-cjk
D node-ali	D scrp-eth
D node-bck	D scrp-ini
D node-fnt	D scrp-tha
D node-par	D scrp-tib
D node-ref	D sort-ini
D node-rul	D sort-lan
D node-tra	D spac-ali
D node-typ	D spac-brk
D pack-obj	D spac-chr
D pack-ori	D spac-hor
D pack-rul	D spac-ovl
D page-blk	D spac-par
D page-cst	D spac-pas
D page-flt	D spac-prf

D spac-twi	D typo-dif
D spac-ver	D typo-dig
D strc-bkm	D typo-dir
D strc-blk	D typo-drp
D strc-con	D typo-duc
D strc-doc	D typo-fkr
D strc-flt	D typo-fln
D strc-ini	D typo-hid
D strc-itm	D typo-inj
D strc-lev	D typo-itc
D strc-lst	D typo-krn
D strc-mar	D typo-lan
D strc-mat	D typo-lbx
D strc-not	D typo-man
D strc-num	D typo-mar
D strc-pag	D typo-ovl
D strc-ref	D typo-pag
D strc-reg	D typo-par
D strc-rsc	D typo-pnc
D strc-syn	D typo-prc
D strc-tag	D typo-rep
D strc-usr	D typo-rub
D symb-emj	D typo-spa
D symb-ini	D typo-stc
D syst-cmp	D typo-sus
D tabl-ali	D typo-syn
D tabl-ntb	D typo-tal
D tabl-tbl	D typo-wrp
D tabl-xtb	D unic-ini
D task-ini	T mp
D trac-bld	F autoinject
D trac-jus	T aux
D trac-par	F boolean
D trac-riv	F color
D trac-sig	F direct
D trac-vis	F draw
D type-ini	F fill
D typo-adj	F flush
D typo-bld	F fprint
D typo-brk	F integer
D typo-cap	F number
D typo-chr	F numeric
D typo-cln	F pair
D typo-dha	F pairpoints

F path	F number
F pathpoints	F numeric
F points	F pair
F print	F path
F quadruple	F points
F quadruplepoints	F pt
F quoted	F quadruplet
F size	F string
F string	F tokens
F transform	F transform
F triplet	F triplet
F tripletpoints	F vector
F vprint	F vectors
F boolean	F whatever
F bytemap_load_from_file	F whd
F cleaned	F xy
F color	F integer
F dataset	F lmt_function_x
T datasets	F lmt_glyphshape_accent
F load	F lmt_glyphshape_baseline
F direct	F lmt_glyphshape_boundingbox
F downgradebytemap	F lmt_glyphshape_depth
F downsamplebytemap	F lmt_glyphshape_height
F draw	F lmt_glyphshape_italic
F expandtex	F lmt_glyphshape_llx
F fill	F lmt_glyphshape_n
F fillbytemap	F lmt_glyphshape_path
F flatten	F lmt_glyphshape_start
F flush	F lmt_glyphshape_stop
F format	F lmt_glyphshape_usedbox
F formatted	F lmt_glyphshape_usedline
F fprint	F lmt_glyphshape_width
T get	F lmt_mesh_set
F hashentry	F lmt_mesh_update
F getbytemap	F lmt_poisson_generate
F getbytemapdata	F lmt_start_potrace
F getbytemapdirect	F lmt_step_potrace
F getlastaddtype	F lmt_stop_potrace
F graphformat	F lmt_svg_include
T inject	F loadbytemap
F boolean	F loadbytemapfile
F cmykcolor	F mesh_register
F color	F mf_blob_add
F integer	F mf_blob_dimensions

F mf_blob_index	F expression
F mf_blob_new	F integer
F mf_blob_raw_content	F next
F mf_blob_raw_dimensions	F number
F mf_blob_raw_reset	F numeric
F mf_blob_raw_toutf	F pair
F mf_blob_raw_wipe	F path
F mf_blob_size	F pen
F mf_blob_width	F property
F mf_external_figure	F string
F mf_finish_saving_data	F symbol
F mf_formatted_text	F token
F mf_get_outline_text	T tokenscanners
F mf_graphic_text	F transform
F mf_inject_blob	T typescanners
F mf_map_move	F whatever
F mf_map_text	T set
F mf_named_color	F setbytemap
F mf_outline_text	F setbytemapoctave
F mf_save_data	F size
F mf_script_index	T skip
F mf_start_saving_data	F token
F mf_stop_saving_data	F solve
F mode	F string
F n	F systemmode
F newbytemap	F transform
F number	F triplet
F numeric	F tripletpoints
F pair	F vprint
F pairpoints	T mplib
F path	F downgradebytemap
F pathpoints	F downsamplebytemap
F points	F execute
F points_register	F expandtex
F processbytemap	F fillbytemap
F processingmode	F finder
F quadruple	T finders
F quadruplepoints	F file
F quoted	F mpstemplate
F report	F finish
T scan	F getbytemap
F boolean	F getbytemapdata
F cmykcolor	F getbytemapdirect
F color	F getcallbackstate

F getcodes	F processbyte
F getcolormodels	T propertycodes
F getfields	B realltime
F gethashentries	F scanboolean
F gethashentry	F scanmycolor
F getinternalactions	F scancolor
F getknotstates	F scanexpression
F getlastadddtype	F scaninteger
F getlogtargets	F scannext
F getobjectdata	F scannumber
F getobjectpeninfo	F scannumeric
F getobjectstacking	F scanpair
F getobjecttypes	F scanpath
F getprimitivelegacies	F scanpen
F getprimitiveorigins	F scanproperty
F getprimitives	F scanstring
F getpruneoptions	F scansymbol
F getresultstates	F scantoken
F getscaledbits	F scantransform
F getschantypes	F setbyte
F getstates	F setbyteapoctave
F getstatistics	F settolerance
F getstatus	F showcontext
F gettolerance	F skiptoken
F gettype	F solvepath
F gettypes	F version
F injectboolean	T nanjpeg
F injectcmkcolor	F decode
F injectcolor	F next
F injectinteger	T noads
F injectnumber	F getmathmode
F injectnumeric	T handlers
F injectpair	F alternates
F injectpath	F autofences
F injectpoints	F classes
F injectstring	F collapse
F injecttokens	F dictionaries
F injecttransform	F export
F injectvector	F families
F injectvectors	F fencing
F injectwhatever	F intervals
F new	F kernpairs
F newbyte	F makeup
F peninfo	F normalize

F numbers	F dimensions
F relocate	F effectiveglue
F render	F endofmath
F showtree	F exchange
F snap	F fields
F spacing	F findattribute
F suspicious	F findattributerange
F tags	F findnode
F unscript	F firstchar
F unstack	F firstglyph
F variants	F firstglyphnode
F process	F firstitalicglyph
F processnested	F flattendiscretionaries
T processors	F flattenleaders
T dictionaries	F flushlist
T intervals	F flushnode
T suspicious	F free
T unscript	F freeze
T unstack	F getanchors
F processouter	F getattribute
T node	F getattributelist
F checkdiscretionaries	F getattributes
F checkdiscretionary	F getboth
F copy	F getbottom
F copylist	F getbottomdelimiter
F count	F getbox
F currentattributes	F getcachestate
F dimensions	F getchar
T direct	F getchardict
F addmargins	F getcharspec
F addxoffset	F getchoice
F addxymargins	F getclass
F addyoffset	F getcontinuation
F appendaftertail	F getcontrol
F appendcurrenttail	F getcornerkerns
F beginofmath	F getcurrenttail
F checkdiscretionaries	F getdata
F checkdiscretionary	F getdegree
F collapsing	F getdelimiter
F copy	F getdenominator
F copylist	F getdepth
F copyonly	F getdirection
F count	F getdisc
F currentattributes	F getdiscpart

F getexcept	F getproperty
F getexpansion	F getreplace
F getfam	F getrightdelimiter
F getfield	F getruledimensions
F getfielderror	F getscale
F getfirstdirectioninlist	F getscales
F getfont	F getscrip
F getfontcheck	F getscripts
F getgeometry	F getshift
F getglue	F getshort
F getglyphdata	F getslant
F getglyphdimensions	F getspeciallist
F getheight	F getstate
F getid	F getsub
F getidssubtype	F getsubpre
F getidssubtypenext	F getsubtype
F getindex	F getsup
F getinputfields	F getsuppre
F getkern	F gettop
F getkerndimension	F gettopdelimiter
F getlanguage	F gettotal
F getleader	F getusage
F getleftdelimiter	F getusedattributes
F getlist	F getweight
F getlistdimensions	F getwhd
F getlocalparboxstate	F getwidth
F getmvl	F getwordrange
F getnaturalwhd	F getxscale
F getnext	F getxyscales
F getnodeerrorvalues	F getyscale
F getnodes	F gluetostring
F getnormalizedline	F hasattribute
F getnucleus	F hasdimensions
F getnumerator	F hasdiscoption
F getoffsets	F hasfield
F getoptions	F hasgeometry
F getorientation	F hasglyph
F getparstate	F hasglyphoption
F getpenalty	F hasidssubtype
F getpost	F hasoptions
F getpre	F hasusage
F getprev	F hpack
F getprime	F hyphenating
F getpropertyiestable	F id

F ignoremathskip	F newtextglyph
F insertafter	F patchattributes
F insertbefore	F patchparshape
F insertcurrenthead	F prependbeforehead
F isboth	F prependcurrenttail
F ischar	F protectglyph
F ischarcheck	F protectglyphs
F ischardisc	F protectglyphsbase
F ischardiscsetcheck	F protectglyphsnone
F isdirect	F protrusionskipable
F isfontcheck	F rangedimensions
F isglyph	F remove
F isitalicglyph	F removefromlist
F isloop	F repack
F isnext	F reverse
F isnextchar	F samefontcheck
F isnextcharcheck	F serialized
F isnextcharsetcheck	F setanchors
F isnextglyph	F setattribute
F isnode	F setattributelist
F isprev	F setattributes
F isprevchar	F setattributesinlist
F isprevcharcheck	F setboth
F isprevcharsetcheck	F setbottom
F isprevglyph	F setbottomdelimiter
F issimilarglyph	F setbox
F issnapped	F setchar
F isspeciallist	F setchardict
F isvalid	F setchoice
F iszeroglue	F setclass
F kerning	F setcontinuation
F lastnode	F setcontrol
F length	F setcurrenttail
F ligaturing	F setdata
F makeextensible	F setdegree
F markglyphprocessing	F setdelimiter
F migrate	F setdenominator
F mlisttohlist	F setdepth
F naturalhsize	F setdirection
F naturalwidth	F setdisc
F new	F setdiscpart
F newcontinuationatom	F setexcept
F newfontcheck	F setexpansion
F newmathglyph	F setfam

F setfield	F setsup
F setfielderror	F setsuppre
F setfont	F settop
F setfontcheck	F settopdelimiter
F setgeometry	F settotal
F setglue	F setweight
F setglyphdata	F setwhd
F setheight	F setwidth
F setindex	F show
F setinputfields	F size
F setkern	F slide
F setlanguage	F softenhyphens
F setleader	F startofpar
F setleftdelimiter	F subtypes
F setlink	F tail
F setlist	F todirect
F setnext	F tonode
F setnucleus	F tostring
F setnumerator	F tovaliddirect
F setoffsets	F traverse
F setoptions	F traversechar
F setorientation	F traversecontent
F setpenalty	F traverseglyph
F setpost	F traverseid
F setpre	F traverseitalic
F setprev	F traverseleader
F setprime	F traverselist
F setproperty	F traversepossible
F setreplace	F type
F setrightdelimiter	F types
F setruledimensions	F unprotectglyph
F setscale	F unprotectglyphs
F setscales	F unsetattribute
F setscript	F unsetattributes
F setscripts	F updatefirstandbotmark
F setshift	F updatefirstmarks
F setslant	F updatemarks
F setsnapped	F updatetopmarks
F setspeciallist	F usedlist
F setsplit	F usesfont
F setstate	F vbalance
F setsub	F verticalbreak
F setsubpre	F vpack
F setsubtype	F write

F xscaled	F remove
F yscaled	F serialized
F effectiveglue	F setattribute
F endofmath	F setfield
F family_font	F setfielderror
F fields	F setglue
F findattribute	F setproperty
F flattendiscretionaries	F show
F flushlist	F size
F flushnode	F slide
F free	F subtypes
F getattribute	F tail
F getcachestate	F todirect
F getfield	F tonode
F getfielderror	F toString
F getglue	F traverse
F getnodeerrorvalues	F traverseid
F getpropertystable	F type
F getproperty	F types
F gluetostring	F unprotectglyph
F hasattribute	F unprotectglyphs
F hasfield	F unsetattribute
F hasglyph	F usedlist
F hpack	F usesfont
F hyphenating	F vpack
F id	F write
F insertafter	T nodes
F insertbefore	D accentcodes
F instock	T adaptive
F intracking	F handlehorizontal
F inuse	F handlevertical
F isnode	T methods
F iszeroglue	F set
F kerning	F aligned
F lastnode	F append
F length	F apply
F ligaturing	F applyvisuals
F makeextensible	F astable
F mlisttohtml	F basepoints
F new	D boundarycodes
F protectglyph	T boxes
F protectglyphs	F count
F protrusionskipable	F dimensions
F rangedimensions	F direct

F dispose	F getfont
F found	F getid
F prune	F getleader
F reset	F getlist
F restore	F getnext
F save	F getprev
F savenode	F getproperty
T builders	F getsubtype
D choicecodes	D gluecodes
F concat	D glyphcodes
F copy	T handlers
F copy_node	F adjusters
F copylist	F aligncharacter
F countall	F backgrounds
F currentattributes	F backgroundspage
F delete	F backgroundsvbox
T destinations	F characters
N attribute	F checkglyphs
T done	F checkparcounter
F handler	F cleanupbox
T stack	F cleanuppage
D dircodes	F export
D directioncodes	F finalizebox
D directionvalues	F finalizelist
D dirvalues	F flatten
D disccodes	F flattenline
D discretionarycodes	T linebreakchecks
D fencecodes	F mathalignrelocate
F fields	F mathmatrixornaments
T fieldtypes	F mathmatrixrules
D fillcodes	F protectglyphs
D fillvalues	F recolor
F firstdirinbox	F show
F flush	F showhyphenation
F flushlist	F showpreamble
F flushnode	F stripping
D fractioncodes	F tabulateskip
F fullhpack	F textbackgrounds
F getattr	F unprotectglyphs
F getattribute	F visualizehyphenation
F getboth	F wipe
F getbox	F hasattribute
F getchar	F hasfield
F getfield	F hpack

F idsandsubtypes	F list
F idstosting	D listcodes
T injections	F listtoutf
F copy	D literalvalues
F getligaindex	F locate
F getthreshold	D markcodes
F handler	T markers
F installgetspaceboth	F get
F installnewkern	F set
F isspace	D mathcodes
F keepcounts	D mathvalues
F reset	F maxboxwidth
F resetcounts	F new
F setcursive	D noadcodes
F setkern	D nodecodes
F setligaindex	F nopts
F setmark	T nuts
F setmove	F addmargins
F setposition	F addxoffset
F setspacekerns	F addxymargins
F insertafter	F addyoffset
F insertbefore	F append
F insertlistafter	F appendaftertail
F installattributehandler	F apply
F is_display_math	F applyvisuals
F isdirect	F beginofmath
F isnode	F checkdiscretionaries
F isnut	F checkdiscretionary
D kerncodes	F checkslide
F leftmarginwidth	F collapsing
T linefillers	T colors
F filler	F set
F handler	T components
F set	F copynocomponents
T lines	F copyonlyglyphs
T boxed	F count
F addlinenumbers	F flush
F register	F get
F setup	F set
D data	F concat
F finalize	F copy
F number	F copy_properties
F link	F copylist
F linked	F copynode

F copyonly	F getcomponents
F copyvisual	F getcontinuation
F count	F getcontrol
F countall	F getcornerkerns
F currentattributes	F getdata
F delete	F getdegree
F dimensions	F getdelimeter
F dirdimensions	F getdenominator
F effectiveglue	F getdepth
F endofmath	F getdirection
F exchange	F getdisc
F findattribute	F getdiscpart
F findattributerange	F getdiscretionary
F findnode	F getexcept
F firstchar	F getexpansion
F firstglyph	F getfam
F firstglyphnode	F getfield
F firstitalicglyph	F getfirstdirectioninlist
F flattendiscretionaries	F getfont
F flattenleaders	F getfontcheck
F flush	F getgeometry
F flushlist	F getglue
F flushnode	F getglyphdata
F free	F getglyphdimensions
F freeze	F getheight
F fullhpack	F getid
F fullhpackrl	F getidsubtype
F getanchors	F getidsubtypenext
F getattr	F getindex
F getattribute	F getinputfields
F getattributelist	F getkern
F getattributes	F getkerndimension
F getattrlist	F getlang
F getattrrs	F getlanguage
F getboth	F getleader
F getbottom	F getleftdelimeter
F getbottomdelimeter	F getlist
F getbox	F getlistdimensions
F getboxglue	F getlocalparboxstate
F getchar	F getmiddle
F getchardict	F getmiddledelimeter
F getcharspec	F getmvlolist
F getchoice	F getnaturalwhd
F getclass	F getnext

F getnormalizedline	F gluetostring
F getnucleus	F hasattribute
F getnumerator	F hasdimensions
F getoffsets	F hasdiscoption
F getoptions	F hasfield
F getorientation	F hasgeometry
F getparstate	F hasglyph
F getpenalty	F hasglyphoption
F getpost	F hasidsubtype
F getpre	F hasoptions
F getprev	F hpack
F getprime	F hyphenating
F getprop	F ignoremathskip
F getreplace	F insertafter
F getrightdelimiter	F insertbefore
F getruledata	F insertlistafter
F getruledimensions	F is_display_math
F getscale	F isboth
F getscales	F ischar
F getscrip	F ischarcheck
F getscripts	F ischardiscsetcheck
F getshift	F isdirect
F getshort	F isdone
F getslant	F isglyph
F getspeciallist	F isitalicglyph
F getstate	F isnext
F getsub	F isnextchar
F getsubpre	F isnextcharcheck
F getsubtype	F isnextcharsetcheck
F getsup	F isnextglyph
F getsuppre	F isnode
F getsurround	F isnut
F gettop	F isprev
F gettopdelimiter	F isprevchar
F gettotal	F isprevcharcheck
F getusedattributes	F isprevcharsetcheck
F getvalue	F isprevglyph
F getweight	F issimilarglyph
F getwhd	F issnapped
F getwidth	F iszeroglue
F getwordrange	F kerning
F getxscale	F lastnode
F getxyscales	F length
F getyscale	F ligaturing

F link	F latelua
F linked	F leader
F locate	F lefthangskip
F migrate	F leftmarginkern
F migratebox	F leftskip
F mlisttohlist	F lineskip
F naturalhsize	F literal
F naturalwidth	F luaboundary
F nestedtracedslide	F mathchar
F new	F mathtextchar
F newcontinuationatom	F negatedglue
F newfontcheck	F noad
F newmathglyph	F originliteral
F openup	F outlinerule
F patchattributes	F pageliteral
F patchparshape	F penalizedglue
T pool	F penalizedspace
F accent	F penalty
F baselineskip	F radical
F boundary	F rawliteral
F boxrule	F register
F characterkern	F restore
F choice	F righthangskip
F cleanup	F rightmarginkern
F delim	F rightskip
F delimiter	F rule
F direction	F save
F directliteral	F savepos
F disc	F setmatrix
F discretionaryglue	F setstate
F emptyrule	F shrink
F fence	F spacefontkern
F fontkern	F spacingrule
F fraction	F startrotation
F glue	F startscaling
F gluespec	F stock
F glyph	F stoprotation
F hlist	F stopscaling
F imagerule	F stretch
F indentskip	F strutrue
F intercharacterglue	F subbox
F italiccorrection	F sublist
F italickern	F temp
F kern	F usage

F userdefined	F setboth
T userids	F setbottom
F usernode	F setbox
F userrule	F setboxglue
F virtualrule	F setchar
F vlist	F setchardict
F wordboundary	F setchoice
F prepend	F setclass
F prependbeforehead	F setcomponents
F processranges	F setcontinuation
F processwords	F setcontrol
F protectglyph	F setdata
F protectglyphs	F setdegree
F protectglyphsbase	F setdelimiter
F protectglyphsnone	F setdenominator
F protrusionskipable	F setdepth
F rangedimensions	F setdirection
F rawprop	F setdisc
F reference	F setdiscpart
F rehpack	F setdiscretionary
F remove	F setexcept
F removefromlist	F setexpansion
F repack	F setfam
F repackhlist	F setfield
F replace	F setfont
F reverse	F setfontcheck
T rules	F setgeometry
T ruleactions	F setglue
F box	F setglyphdata
F draw	F setheight
F fill	F setinputfields
F mp	F setkern
F stroke	F setlang
F userrule	F setlanguage
F serialized	F setleader
F setanchors	F setleftdelimiter
F setattr	F setlink
F setattribute	F setlist
F setattributelist	F setmiddledelimiter
F setattributes	F setnext
F setattributesinlist	F setnucleus
F setattrlist	F setnumerator
F setattrs	F setoffsets
F setattrslist	F setoptions

F setorientation	F takeattr
F setparproperty	F takebox
F setpenalty	F takelist
F setpost	F theprop
F setpre	F tonode
F setprev	F tonodes
F setprime	F tonut
F setprop	F tosequence
F setreplace	F tostring
F setrightdelimter	F tracedslide
F setruledata	F traverse
F setruledimensions	F traversechar
F setscale	F traversecontent
F setscales	F traverseglyph
F setscript	F traverseid
F setscripts	F traverseitalic
F setshift	F traverseleader
F setslant	F traverselist
F setsnapped	F traversepossible
F setspeciallist	T traversers
F setsplit	F alignrecord
F setstate	F boundary
F setsub	F char
F setsubpre	F content
F setsubtype	F dir
F setup	F disc
F setsuppre	F glue
F setsurround	F glyph
F settop	F hlist
F setvalue	F leader
F setvisual	F list
F setvisuals	F mark
F setweight	F next
F setwhd	F node
F setwidth	F penalty
F show	F possible
F slide	F rule
F softenhyphens	F unset
F somepenalty	F vlist
F somespace	F whatsit
F splitbox	T treversers
F startofpar	F char
F striprange	F content
F tail	F glyph

F leader	F restore
F list	F save
F node	F savepos
F possible	F setmatrix
T typesetters	F stock
F tohbox	F usage
F tohpack	F usernode
F tonodes	F vlist
F tovbox	F prepend
F tovpack	F print
F unprotectglyph	T processors
F unprotectglyphs	F trace_glyph_run_a
F unsetattribute	F trace_glyph_run_b
F unsetattributes	T properties
F untracedslide	T data
F updatefirstandbotmark	F pts
F updatefirstmarks	D radicalcodes
F updatemarks	T references
F updatetopmarks	N attribute
F usedlist	T done
F usesfont	F handler
F verticalbreak	T stack
F vianodes	F rehpack
F vianuts	F remove
F vpack	F repackhlist
F write	F replace
F xscaled	F report
F yscaled	F rightmarginwidth
F packlist	D rulecodes
D parcodes	T rules
D penaltycodes	F handler
F points	F process
T pool	F set
F baselineskip	F userrule
F cleanup	F serialize
F directliteral	F serializebox
F glyph	F serialized
F hlist	F setattr
F latelua	F setattrtribute
F leader	F setattrrlist
F lineskip	F setboth
F literal	F setbox
F originliteral	F setboxtonaturalwd
F register	F setchar

F setfield	F new
F setfont	F prependaction
F setleader	F removeaction
F setlink	F replaceaction
F setlist	F restart
F setnext	F setaction
F setprev	F showactions
F setproperty	F table
T shadows	F tobasepoints
F handler	F tocentimeters
F set	F tociceros
T shifts	F todidots
F handler	F todimen
F set	F toinches
F showboxes	F tomillimeters
F showlist	F tonode
F showsimplelist	F tonodes
D skipcodes	F tonut
T snapshots	F topicas
F getsamples	F topoints
F resetsamples	F toscaledpoints
F takesample	F tosequence
F somepenalty	F toString
F somespace	F totable
T specialskipcodes	F totree
F splitbox	F toutf
F startofpar	T tracers
F stripdiscretionaries	T colors
T stripping	F reset
T glyphs	F set
F set	F setlist
D subtypes	F directions
F tail	F fontchar
F takeattr	T frequencies
F takebox	F register
T tasks	T pool
F actions	T nodes
F appendaction	F rule
F disableaction	T nuts
F disablegroup	F rule
F enableaction	F resetproperties
F enablegroup	F rule
F freeze	F setlist
F freezegroup	F setproperties

F start	N ckern
T steppers	N continuation
F check	N hglue
F codes	N hkern
F features	N hpenalty
F font	N pglue
F glyphs	N sglue
F message	N short
F messages	N toddler
F nofsteps	N vglue
F register	N vkern
F reset	N vpenalty
F start	F getusedfont
F stop	F handler
F stop	F markfonts
T transparencies	T modes
F reset	N boundary
F set	N cglue
F setlist	N ckern
F traverse	N depth
F traverseid	N dir
T typesetters	N discretionary
F hbox	N expansion
F hpack	N fontkern
F tohbox	N glue
F tohpack	N glyph
F tonodes	N hbox
F toinbox	N hglue
F toinbox	N hkern
F vpack	N hpenalty
F unsetattribute	N insert
F upcomingproperties	N italic
F usedlist	N kern
F vianodes	N line
F vianuts	N marginkern
F visualizebox	N mark
T visualizers	N math
F attribute	N mathglue
T attributes	N mathkern
F box	N origin
F definelayer	N par
F enable	N penalty
T filters	N pglue
N cglue	N sglue

N short	F signed
N simple	F sparseexponent
N simplehbox	F splitdimen
N simplevbox	F to16dot16
N simplevtop	F tobasepoints
N space	F tobitstring
N strut	F tocentimeters
N toddler	F tociceros
N user	F tocontext
N vbox	F todidots
N vglue	F todimen
N vkern	F toediths
N vpenalty	F toevenhex
N vtop	F toinches
N whatsit	F tomillimeters
F register	F tonumberf
F registercache	F tonumberg
F setfont	F topicsas
F setlayer	F topoints
F setruledglyph	F toscaled
F setvisual	F toscaledpoints
F vpack	F totoves
D whatsitcodes	F valid
F write	T objects
T number	T data
F %	F dimensions
F basepoints	F found
F bytetodecimal	N n
F clamp	F page
F compactfloat	F reference
F decimaltobyte	F register
D dimenfactors	F restore
F formatted	T optional
F formattedfloat	T curl
F formattedinteger	F escape
F fractiontobyte	F fetch
F idiv	F getversion
N maxdimen	F initialize
F nopts	F unescape
F nubasepoints	T foreign
F nupoints	F abivalues
F percent	F getbuffer
F points	F initialize
F pts	F load

F newbuffer	F compress
F totable	F decompresssize
F types	F initialize
T ghostscript	T mujs
F execute	F dofile
F initialize	F execute
T graphicsmagick	F initialize
F execute	F reset
F getnoisetypes	F setclosefile
F initialize	F setconsole
T hb	F setfindfile
F getshapers	F setopenfile
F getversion	F setreadfile
F initialize	F setseekfile
F loadfont	T mysql
F shapestring	F close
T imagemagick	F execute
F execute	F getmessage
F initialize	F initialize
T kpse	F open
F expand_braces	T openssl
F expand_path	F getversion
F expand_var	F initialize
F find_file	F sign
F find_files	F verify
F get_file_types	T postgres
F initialize	F close
F readable_file	F execute
F set_program_name	F getmessage
F var_value	F initialize
T library	F open
F load	T sqlite
T loaded	F close
T lz4	F execute
F compress	F getmessage
F decompresssize	F initialize
F framecompress	F open
F framedecompress	T zint
F initialize	F execute
T lzma	F initialize
F compress	T zstd
F decompress	F compress
F initialize	F decompress
T lzo	F initialize

F optionalrequire

T os

F __getenv__

F __setenv__

S binsuffix

T binsuffixes

N bits

F clock

F converttime

F date

F difftime

F enableansi

D env

F execute

F exit

F fulltime

F getcodepage

F getenv

F getnamevalues

F gettimeofday

F gettypevalues

F getunamelfields

F isleapyear

F launch

S libsuffix

F localtime

S name

S newline

F nofdays

F now

F pipeto

S platform

F remove

F rename

F resultof

F runtime

T selfarg

S selfbin

S selfcore

S selfdir

S selflink

S selfname

S selfpath

F serialwrite

F setenv

F setexitcode

F setlocale

F sleep

F startuptime

F time

F timezone

F tmpname

F today

S type

F uname

F uuid

F validdatetime

F weekday

F where

F which

T package

S config

S cpath

F extralibpath

F extralibpaths

F extralualapath

F extralualapaths

T helpers

T builtin

F path specification

F preload table

F cleanpath

F loaded

F loadedaslib

F loadedbyformat

F loadedbyname

F loadedbypath

F lualibfile

T methods

F all in one fallback

F already loaded

F cpath specification

F lib extra list

F lib variable format

F lua extra list

F lua variable format

F not loaded

F path specification

F preload table	B core-con
F qualified path	B core-ctx
F reset loaded	B core-dat
F registerpath	B core-sys
F report	T curl
T sequence	F escape
F showused	F fetch
B trace	F getversion
B traceused	S libfile
F unload	S libpath
F libpaths	F unescape
T loaded	B driv-shp
B anch-loc	B file-mod
B anch-pgr	B file-syn
B anch-snc	B font-afk
B back-exp	B font-agl
B back-exp-imp-fnt	B font-aux
B back-exp-imp-mth	B font-cff
B back-exp-imp-ref	B font-chk
B back-exp-imp-tag	B font-cid
B back-imp-lua	B font-col
B back-imp-mps	B font-con
B back-imp-pdf	B font-ctx
B back-imp-pdp	B font-def
B blob-ini	B font-dsp
B buff-imp-default	B font-enc
B buff-imp-escaped	B font-enh
B buff-imp-lua	B font-fbk
B buff-imp-mp	B font-fmp
B buff-imp-nested	B font-hsh
B buff-imp-parsed-xml	B font-imp-checks
B buff-imp-tex	B font-imp-combining
B buff-imp-xml	B font-imp-compound
B buff-ini	B font-imp-digits
B buff-par	B font-imp-dimensions
B buff-ver	B font-imp-effects
B char-enc	B font-imp-italics
B chem-ini	B font-imp-ligatures
B chem-str	B font-imp-math
B cldf-com	B font-imp-notused
B cldf-ver	B font-imp-properties
B colo-icc	B font-imp-quality
B colo-ini	B font-imp-reorder
B cont-run	B font-imp-scripts

B font-imp-spacekerns	B good-ctx
B font-imp-tex	B good-gen
B font-imp-text	B good-ini
B font-imp-tracing	B good-mth
B font-imp-tweaks	B grph-bmp
B font-imp-unicode	B grph-con
B font-ini	B grph-epd
B font-lig	B grph-fil
B font-log	B grph-img
B font-lua	B grph-inc
B font-map	B grph-pat
B font-mpf	B grph-raw
B font-mps	B grph-rul
B font-nod	B grph-trf
B font-ogr	B grph-u3d
B font-one	B java-ini
B font-onr	T json
B font-osd	F load
B font-ota	F tojson
B font-otc	F tolua
B font-otd	F tostring
B font-oth	B lang-cnt
B font-oti	B lang-def
B font-otj	B lang-dis
B font-otl	B lang-hup
B font-oto	B lang-hyp
B font-otr	B lang-ini
B font-ots	B lang-lab
B font-ott	B lang-rep
B font-oup	B lang-tra
B font-pat	B lang-txt
B font-prv	B lang-url
B font-san	B lang-wrd
B font-sel	B libs-imp-curl
B font-shp	B libs-imp-ghostscript
B font-sol	B libs-imp-graphicsmagick
B font-syn	B libs-ini
B font-tfm	B lpdf-ano
B font-tpk	B lpdf-col
B font-trt	B lpdf-epa
B font-ttf	B lpdf-epd
B font-txt	B lpdf-fix
B font-vfc	B lpdf-fix-imp-contents
B font-vir	B lpdf-fix-imp-fonts

B lpdf-fld	B lxml-sor
B lpdf-fmt	B lxml-tex
B lpdf-grp	B math-act
B lpdf-img	B math-ali
B lpdf-ini	B math-dim
B lpdf-lmt	B math-ext
B lpdf-mis	B math-fbk
B lpdf-ren	B math-fnt
B lpdf-rul	B math-frc
B lpdf-sig	B math-inc
B lpdf-tag	B math-ini
B lpdf-u3d	B math-map
B lpdf-wid	B math-mps
B lpdf-xmp	B math-noa
T ltn12	B math-pre
N BLOCKSIZE	B math-rad
T filter	B math-ren
F chain	B math-spa
F cycle	B math-tag
T pump	B math-txt
F all	B math-vfu
F step	B meta-blb
F report	B meta-fnt
T sink	B meta-fun
F chain	B meta-imp-txt
F error	B meta-ini
F file	B meta-lua
F null	B meta-nod
F simplify	B meta-pdf
F table	B meta-tex
T source	B mlib-ctx
F cat	B mlib-fio
F chain	B mlib-int
F empty	B mlib-lmp
F error	B mlib-lmt
F file	B mlib-lua
F rewind	B mlib-mat
F simplify	B mlib-mpf
F string	B mlib-msh
B lxml-css	B mlib-pdf
B lxml-dir	B mlib-pos
B lxml-ent	B mlib-pps
B lxml-ini	B mlib-ptr
B lxml-mms	B mlib-pts

B mlib-ran	F getfromreference
B mlib-run	F getfromstream
B mlib-scn	F getinfo
B mlib-snc	F getinteger
B mlib-svg	F getmemoryusage
B node-ali	F getname
B node-bck	F getnofobjects
B node-fnt	F getnofpages
B node-par	F getnumber
B node-ref	F getobjectrange
B node-rul	F getpage
B node-tra	F getpages
B node-typ	F getpermissions
B pack-obj	F getsizes
B pack-ori	F getstatus
B pack-rul	F getstatusvalues
B page-blk	F getstream
B page-cst	F getstring
B page-flt	F gettrailer
B page-ini	F getversion
B page-inj	F new
B page-ins	F open
B page-lin	F openfile
B page-mix	F openstream
B page-otr	F pagestotable
B page-pst	F readfromstream
B page-sel	F readwholestream
B page-str	F type
T pdfdecode	F unencrypt
T pdfe	B phys-dim
F arraytotable	T pngdecode
F close	F applyfilter
F closestream	F expand
F dictionarytotable	F frompalette
F getarray	F interlace
F getboolean	F makemask
F getbox	F palettemask
F getcatalog	F reduce
F getdictionary	F setexperiment
F getencodingvalues	F splitmask
F getfieldtypes	F tocmk
F getfromarray	F togray
F getfromdictionary	F tomask
F getfromobject	F transparentmask

T posit	F min
F NaN	F modf
F NaR	F new
F __add	F pow
F __band	F rotate
F __bor	F round
F __bxor	F rounded
F __div	F shift
F __eq	F sin
F __le	F sqrt
F __lt	F tan
F __mul	F tobyte
S __name	F tochar
F __pow	F tonumber
F __shl	F toposit
F __shr	F toString
F __sub	T potrace
F __toString	F checked
F __unm	F concat
F abs	F contourplot
F acos	F convert
F asin	F count
F atan	F flush
F band	F free
F bor	F fromfile
F bxor	F getbitmap
F ceil	F getnewfields
F conj	F getpolicyvalues
F copy	F getprocessfields
F cos	F new
F exp	F process
F exp2	F setbitmap
F expand	F stripped
F floor	F totable
F frombyte	F trace
F fromchar	B publ-aut
F fromposit	B publ-dat
F integer	B publ-fnd
F log	B publ-inc
F log10	B publ-ini
F log1p	B publ-jrn
F log2	B publ-oth
F logb	B publ-reg
F max	B publ-sor

B publ-tra	F sum384
B publ-usr	F sum512
T qrcodegen	T sio
F bitmap	F read2dot14
F generate	F readbytes
B regi-ini	F readbytetable
B scrn-but	F readcardinal1
B scrn-fld	F readcardinal1le
B scrn-hlp	F readcardinal2
B scrn-ini	F readcardinal2le
B scrn-pag	F readcardinal3
B scrn-ref	F readcardinal3le
B scrn-wid	F readcardinal4
B scrp-cjk	F readcardinal4le
B scrp-eth	F readcardinaltable
B scrp-ini	F readcline
B scrp-tha	F readcstring
B scrp-tib	F readdouble
T serial	F readdoublele
F __gc	F readfixed2
S __name	F readfixed4
F __tostring	F readfloat
F close	F readfloatle
F open	F readfloatle12
F send	F readfloatle6
F tostring	F readinteger1
F write	F readinteger1le
T sha2	F readinteger2
F HASH256	F readinteger2le
F HASH384	F readinteger3
F HASH512	F readinteger3le
F HEX256	F readinteger4
F HEX384	F readinteger4le
F HEX512	F readintegertable
F digest256	F tocardinal1
F digest384	F tocardinal1le
F digest512	F tocardinal2
F hash256	F tocardinal2le
F hash384	F tocardinal3
F hash512	F tocardinal3le
F hex256	F tocardinal4
F hex384	F tocardinal4le
F hex512	T socket
F sum256	N BLOCKSIZE

N _SETSIZE	S date
N _SOCKETINVALID	S diagnostic-code
F bind	S dsn-gateway
F choose	S etag
F connect	S expect
F connect4	S expires
F connect6	S final-log-id
T dns	S final-recipient
F getaddrinfo	S from
F gethostname	S host
F getnameinfo	S if-match
F tohostname	S if-modified-since
F toip	S if-none-match
F gettime	S if-range
T headers	S if-unmodified-since
T canonic	S in-reply-to
S accept	S keywords
S accept-charset	S last-attempt-date
S accept-encoding	S last-modified
S accept-language	S location
S accept-ranges	S max-forwards
S action	S message-id
S age	S mime-version
S allow	S original-envelope-id
S alternate-recipient	S original-recipient
S arrival-date	S pragma
S authorization	S proxy-authenticate
S bcc	S proxy-authorization
S cache-control	S range
S cc	S received
S comments	S received-from-mta
S connection	S references
S content-description	S referer
S content-disposition	S remote-mta
S content-encoding	S reply-to
S content-id	S reporting-mta
S content-language	S resent-bcc
S content-length	S resent-cc
S content-location	S resent-date
S content-md5	S resent-from
S content-range	S resent-message-id
S content-transfer-encoding	S resent-reply-to
S content-type	S resent-sender
S cookie	S resent-to

S retry-after	F until-closed
S return-path	F tcp
S sender	F tcp4
S server	F tcp6
S smtp-remote-recipient	T tp
S status	N TIMEOUT
S subject	F connect
S te	F try
S to	T url
S trailer	F absolute
S transfer-encoding	F build
S upgrade	F build_path
S user-agent	F escape
S vary	F parse
S via	F parse_path
S warning	F unescape
S will-retry-until	B sort-ini
S www-authenticate	B sort-lan
S x-mailer	B spac-ali
F lower	B spac-brk
F normalize	B spac-chr
T http	B spac-hor
N TIMEOUT	B spac-ovl
S USERAGENT	B spac-par
F genericform	B spac-pas
F open	B spac-prf
F request	B spac-twi
F newtry	B spac-ver
F protect	T sparse
F report	F concat
F select	F get
F sink	F max
T sinkt	F min
F close-when-done	F new
F default	F range
F http-chunked	F restore
F keep-open	F set
F skip	F traverse
F sleep	F wipe
F source	T status
T sourcet	F getbalancestate
F by-length	F getbufferstate
F default	F getcallbackstate
F http-chunked	F getconstants

F getdumpstate	B strc-pag
F geterrorlinestate	B strc-ref
F geterrorstate	B strc-reg
F getexpandstate	B strc-rsc
F getfilestate	B strc-syn
F getfontstate	B strc-tag
F gethalferrorlinestate	B strc-usr
F gethashstate	T string
F gethyphenationstate	F autodouble
F getinputstate	F autosingle
F getinsertstate	F booleanstring
F getlanguagestate	F byte
F getlinebreakstate	F bytepairs
F getlookupstate	F bytes
F getluastate	F bytetable
F getmarkstate	F char
F getmvlstate	F characterpairs
F getneststate	F characters
F getnodestate	F checkedsplit
F getparameterstate	F chrtointeger
F getpoolstate	F collapsespaces
F getreadstate	F containsws
F getsavestate	F count
F getsparsestate	F dectointeger
F getstringstate	F dump
F gettexstate	F escapedpattern
F gettokenstate	F escapedquotes
F getwarningstate	F f6
T iocodes	F find
F list	F format
F resetmessages	F formatter
B strc-bkm	D formatters
B strc-blk	F fullstrip
B strc-con	F gmatch
B strc-doc	F gsub
B strc-flt	T hashes
B strc-ini	T X00
B strc-itm	T spaces
B strc-lev	F hextocharacters
B strc-lst	F hextointeger
B strc-mar	F is_boolean
B strc-mat	F is_empty
B strc-not	F itself
B strc-num	F len

F limit	F unquoted
F linetable	F upper
F longtostring	F utf16toutf8
F lower	F utfcharacter
F match	F utfcharacters
F nospaces	F utfcharacteretable
F octtointeger	F utflength
F optionalquoted	F utfpadd
F pack	F utfpadding
F packrowcolumns	F utftabletostring
F packsize	F utfvalue
F quote	F utfvalues
F quoted	F utfvaluetable
F rep	F valid
F replacenewlines	F wordsplitter
F reverse	B symb-emj
F split	B symb-ini
F splitintolines	B syst-cmp
F splitlines	B tabl-ali
F splitup	B tabl-ntb
F strip	B tabl-tbl
F sub	B tabl-xtb
F texhashed	T table
F texnewlines	F append
F tformat	F are_equal
F toHEX	F combine
F toboolean	F compact
F tobytes	F concat
F tocontext	F contains
F todec	F copy
F todimen	F count
F tohex	F create
F tonodes	F derive
F topattern	F deserialize
F totable	F fastcopy
F tounicode16	F fastserialize
F toutf	F filtered
F toutf16	F flattened
F toutf32	F fromhash
F toutf8	F getn
F tracedchar	F has_one_entry
F unescapedquotes	F hashed
F unpack	F identical
F unquote	F imerge

F imerged	F unpack
F insert	B task-ini
F is_empty	T tex
F is_simple_table	T amcode
F keys	T attribute
F load	F attributetracking
F loweredkeys	D automigrationcodes
F makewweak	D autoparagraphcodes
F merge	F badness
F merged	D badnessmodecodes
F mirrored	F balance
F move	D balancecallbackcodes
F pack	T boundaries
F prepend	D names
F print	D numbers
F remove	F system
F reverse	T box
F reversed	D boxcontinuationcodes
F save	D boxoptioncodes
F sequenced	T boxresources
F serialize	F getbox
F setmetatablecall	F getdimensions
F setmetatableindex	F save
F setmetatableindices	F use
F setmetatablenewindex	D breakcodes
F sort	D buildcodes
F sorted	T catcode
F sortedhash	T cccode
F sortedhashkeys	D charactercontrolcodes
F sortedhashonly	D charactertagcodes
F sortedindexonly	F chardef
F sortedkeys	D classoptioncodes
F sortedpairs	T codes
F sparse	D conditionals
F strip	D constants
F sub	T count
F swapped	F cprint
F tocontext	N ctdcatcodes
F tocsv	N ctxcatcodes
F tofile	F definefont
F tohandle	T delcode
F tohash	T dimen
F toxml	F dimensiondef
F unique	D directioncodes

D directives	F getcatcode
D discoptioncodes	F getcccode
D discpartcodes	F getcharactercontrolvalues
F dontcomplain	F getcharacteretagvalues
D doublescriptoptioncodes	F getcount
F enableprimitives	F getcurrentmvl
F equal	F getdelcode
F error	F getdelcodes
F expandasvalue	F getdimen
D experiments	F getdimensionvalue
F extraprimitives	F getdirectionvalues
F fatalerror	F getdiscoptionvalues
D fillcodes	F getdiscpartvalues
D flagcodes	F getdoublescriptoptionvalues
F fontidentifier	F getemptyparagraphmodevalues
F fontname	F geterrorrecoverymodevalues
F forcehmode	F geterrorvalues
F forceinputstatefile	F getfillvalues
F forceinputstateline	F getflagvalues
F fprint	F getfloat
D frozenparcodes	F getfontdimension
F get	F getfontoffamily
F getadjustoptionvalues	F getfrozenparvalues
F getalignmentcontextvalues	F getglue
F getamcode	F getglueoptionvalues
F getappendadjustcontextvalues	F getglyphdata
F getappendmigratecontextvalues	F getglyphdiscvalues
F getattribute	F getglyphoptionvalues
F getautomigrationvalues	F getglyphprotectionvalues
F getautoparagraphvalues	F getglyphscales
F getbadnessmodevalues	F getglyphscript
F getbalancecallbackvalues	F getglyphstate
F getbalanceparameterfields	F getgroupvalues
F getbalanceresultfields	F gethccode
F getbalancestepoptionvalues	F gethelptext
F getbox	F gethmcodes
F getboxcontinuationvalues	F gethyphenationvalues
F getboxdir	F getiftypes
F getboxoptionvalues	F getinputstatefile
F getboxresourcebox	F getinputstateline
F getboxresourcedimensions	F getinputstatemode
F getbreakcontextvalues	F getinsertcategoryvalues
F getbuildcontextvalues	F getinsertcontent
F getcardinalvalue	F getinsertdepth

F getinsertdistance	F getmathsurroundvalues
F getinsertheight	F getmathvariantpresets
F getinsertlimit	F getmathvariantvalues
F getinsertmaxplaced	F getmeasure
F getinsertmultiplier	F getmissingcharactervalues
F getinsertoptionvalues	F getmode
F getinsertsplitvalues	F getmodevalues
F getinsertwidth	F getmuglue
F getintegervalue	F getmuskip
F getinteraction	F getmvloptionvalues
F getinteractionmodes	F getnest
F getiovalues	F getnestfields
F getkerneloptionvalues	F getnestlevel
F getkernoptionvalues	F getnoadoptionvalues
F getlargestusedmark	F getnormalizelinevalues
F getlccode	F getnormalizeparvalues
F getlinebreakparameterfields	F getnospacesmodevalues
F getlinebreakresultfields	F getoutputactive
F getlinebreakstatevalues	F getoverloadstate
F getlinedir	F getpacktypevalues
F getlist	F getpagecontextvalues
F getlistanchorvalues	F getpagestate
F getlistfields	F getpagestatevalues
F getlistgeometryvalues	F getparagraphfillmodevalues
F getlistsignvalues	F getparagraphoptionvalues
F getlocalbox	F getparametermodevalues
F getlocalboxlocations	F getparcontextvalues
F getlocallevel	F getpardataspecifications
F getmark	F getpardir
F getmarknames	F getparmodevalues
F getmath	F getparstate
F getmathclassoptionvalues	F getparstatefields
F getmathcode	F getpartriggervalue
F getmathcodes	F getpenaltyoptionvalues
F getmathcontrolvalues	F getpositvalue
F getmathdir	F getprepoststatevalues
F getmathgluevalues	F getprimitivelegacies
F getmathoptionvalues	F getprimitiveorigins
F getmathparametervalues	F getprotrusionboundaryvalues
F getmathscriptordervalue	F getregisterindex
F getmathscriptsmodevalues	F getruleoptionvalues
F getmathstylenamevalues	F getrunstate
F getmathstylevalues	F getrunstatevalues
F getmathstylevariant	F getsfcode

F getshapingpenaltiesvalues	F isskip
F getskip	F istoks
F getsnappingvalues	F lastnodetype
F getspacefactorvalues	T lccode
F getspacefactorvalues	F less
F getspacefactorvalues	F lessequal
F getspecialmathclassvalues	F linebreak
F getspecification	D linebreakstatecodes
F getspecificationoptionvalues	D listanchorcodes
F gettextcontrolvalues	D listgeometrycodes
F gettextdir	T lists
F gettoks	D listsigncodes
F getuccode	N luacatcodes
F getuleaderlocationvalues	T magicconstants
F getunitclassvalues	S activecharacternamespace
F getusedmarks	N allfitnessvalues
F getvsplitcontextvalues	N assumedmathcontrol
T glue	N awfulbad
D glueoptioncodes	N decentcriterion
D glyphdiscodes	N defaultcatcodetable
D glyphoptioncodes	N defaultcharactercontrol
D groupcodes	N defaultdeadcycles
F hashtokens	N defaultteqnogapstep
T hccode	N defaultthangafter
T hmcode	N defaultoutputbox
N hshcatcodes	N defaultpredisplaygap
D hyphenationcodes	N defaultrule
D ifs	N defaultspacefactor
N inicatcodes	N defaulttolerance
D insertcategorycodes	N deplorable
D insertoptioncodes	N ejectpenalty
D insertsplitcodes	N ignoredepth
F integerdef	N infinitebad
D interactioncodes	N infinitepenalty
F isattribute	N infinity
F isbox	N largewidthexcess
F iscount	N loosecriterion
F isdefined	N mathallclass
F isdimen	N mathbeginclass
F isfloat	N mathdefaultpenalty
F isglue	N mathendclass
F ismuglue	N mathfirstuserclass
F ismuskip	N mathlastuserclass
F isprintable	N maxattributeregisterindex

N maxboxregisterindex	N mincardinal
N maxbytecodeindex	N mindatavalue
N maxcalculatedbadness	N mindimen
N maxcardinal	N mindimension
N maxcharactercode	N minhalfword
N maxdatavalue	N mininfinity
N maxdimen	N mininteger
N maxdimenregisterindex	N minmvlindex
N maxdimension	N minnoffitnessvalues
N maxdimensionregisterindex	N minquarterword
N maxendlinecharacter	N minscalefactor
N maxfloatregisterindex	N minspacefactor
N maxfontadjustshrinkfactor	N nocatcodetable
N maxfontadjuststep	N null
N maxfontadjuststretchfactor	N nullflag
N maxfunctionreference	N nullfont
N maxglueregisterindex	N onebp
N maxhalfvalue	N presetrulethickness
N maxhalfword	N runningrule
N maxinteger	N saparthigh
N maxintegerregisterindex	N sapartlow
N maxintregisterindex	N sapartmiddle
N maxlimitedscale	N smallstretchability
N maxmarkindex	N specialspacefactor
N maxmathclasscode	N texeqtbsize
N maxmathfamilyindex	N texhashprime
N maxmathscalingfactor	N texhashsize
N maxmathstylescale	N texmemorymode
N maxmuglueregisterindex	N two
N maxmvlindex	N undefinedmathparameter
N maxnewlinecharacter	N unity
N maxnofbytecodes	N unusedattributevalue
N maxnofcatcodetables	N unusedmathfamily
N maxnoffitnessvalues	N unusedmathstyle
N maxnoffonts	N unusedscriptvalue
N maxnoflanguages	N unusedstatevalue
N maxnofmarks	N zeroglu
N maxnofmathfamilies	F mathchardef
N maxquarterword	T mathcode
N maxscalefactor	D mathcontrolcodes
N maxsizeofword	D mathoptioncodes
N maxspacefactor	D mathparametercodes
N maxtoksregisterindex	D mathscriptordercodes
N maxtwinlength	D mathscriptsmodecodes

T modelevels	F runtoks
N horizontal	F saveboxresource
N math	F scale
N unset	F scantoks
N vertical	F set
D modes	F setamcode
F mprint	F setattribute
T muglue	F setbalanceshape
T muskip	F setbox
D mvloptioncodes	F setboxdir
T nest	F setcardinalvalue
N nilcatcodes	F setcatcode
D noadoptioncodes	F setcccode
D normalizelinecodes	F setconditional
D normalizeparcodes	F setcount
D nospacesmodecodes	F setdelcode
N notcatcodes	F setdimen
F number	F setdimensionvalue
D paragraphfillmodecodes	F setfloat
D paragraphoptioncodes	F setglue
D parcontextcodes	F setglyphdata
D partriggercodes	F setglyphscript
D penaltyoptioncodes	F setglyphstate
F poplocal	F sethccode
F popsavelevel	F sethmcodes
T posit	F setinputstatefile
F positdef	F setinputstateline
F preparelinebreak	F setinputstatemode
F primitives	F setinsertcontent
F print	F setinsertdistance
D protrusionboundarycodes	F setinsertlimit
N prtcatcodes	F setinsertmaxplaced
F pushlocal	F setinsertmultiplier
F pushesavelevel	F setintegervalue
F quitlocal	F setinteraction
F quittoks	F setlccode
F resetparagraph	F setlinedir
N rlnatcodes	F setlist
F romannumeral	F setlocalbox
F round	F setmath
D ruleoptioncodes	F setmathcode
F runlocal	F setmathdir
D runstatecodes	F setmuglue
F runstring	F setmuskip

F setnest	F useboxresource
F setoverloadstate	D userdiscoptioncodes
F setpaddir	D userglyphoptioncodes
F setpositvalue	N vrbcatcodes
F setrunstate	F write
F setsfcode	T texio
F setskip	F closeinput
F setspcode	F forceendoffile
F settextdir	F getinputindex
F settoks	F getselectorvalues
F setuccode	F getsourcefilename
T sfcode	F setlogfile
D shapingpenaltiescodes	F terminal
F shiftparshape	F write
F shipout	F write_nl
F showcontext	F writenl
T skip	F writeselector
D snappingcodes	F writeselectorlf
F snapshotpar	F writeselectornl
F sp	T token
D spacefactorcodes	F create
D spaceskipcodes	F expand
D specialmathclasscodes	F expand_macro
D specificationoptioncodes	F expandmacro
F splitbox	F future_expand
D splitcodes	F futureexpand
F sprint	F get_active
F stringtocodesbitmap	F get_cmdchrsc
D systemmodes	F get_cmdname
F takebox	F get_command
N texcatcodes	F get_csname
D textcontrolcodes	F get_cstoken
T toks	F get_dimension
F tonumber	F get_expandable
F toscaled	F get_fields
N tpacatcodes	F get_flags
N tpbcatcodes	F get_frozen
F tprint	F get_id
F trackedattribute	F get_immutable
D trackers	F get_index
F triggerbuildpage	F get_instance
N txtcatcodes	F get_integer
T uccode	F get_macro
F uprint	F get_meaning

F get_noaligned	F gobbleinteger
F get_parameters	F grab
F get_permanent	F grabstring
F get_primitive	F inhibit
F get_protected	F is_defined
F get_range	F is_next_char
F get_tok	F is_token
F get_tolerant	F isactivestring
F getactive	F isdefined
F getcmdchrcs	F isnextchar
F getcmdname	F istoken
F getcommand	F locatemacro
F getcommandvalues	F new
F getconstant	F peek_next
F getcsname	F peek_next_char
F getcstoken	F peek_next_expanded
F getdimension	F peeknext
F getexpandable	F peeknextchar
F getexpansion	F peeknextexpanded
F getfields	F pop_macro
F getflags	F popmacro
F getfrozen	F push_macro
F getfunctionvalues	F pushmacro
F getid	F put_back
F getimmutable	F put_next
F getindex	F putback
F getinstance	F putnext
F getinteger	F save_lua
F getlength	F savelua
F getmacro	F scan_argument
F getmeaning	F scan_box
F getnoaligned	F scan_cardinal
F getparameters	F scan_char
F getpermanent	F scan_cmdchr
F getprimitive	F scan_cmdchr_expanded
F getprimitives	F scan_code
F getprotected	F scan_csname
F getrange	F scan_delimited
F gettok	F scan_dimen
F gettolerant	F scan_float
F gobble	F scan_glue
F gobble_dimension	F scan_integer
F gobble_integer	F scan_key
F gobbledimension	F scan_keyword

F scan_keyword_cs	F scanluanumber
F scan_letters	F scannext
F scan_luacardinal	F scannextchar
F scan_luainteger	F scannextexpanded
F scan_luanumber	F scanposit
F scan_next	F scanreal
F scan_next_char	F scanscale
F scan_next_expanded	F scanskip
F scan_real	F scanstring
F scan_scale	F scantoken
F scan_skip	F scantokencode
F scan_string	F scantokenlist
F scan_token	F scantokenstring
F scan_token_code	F scantoks
F scan_tokenlist	F scanvalue
F scan_toks	F scanword
F scan_value	F serialize
F scan_word	F set_dimension
F scanargument	F set_integer
F scanbox	F set_lua
F scancardinal	F set_macro
F scanchar	F setdimension
F scancmdchr	F setinteger
F scancmdchrexploded	F setlua
F scancode	F setmacro
F scancsname	F setmacrofrommark
F scanctestoken	F setmacrotonothing
F scandelimited	F skip_next
F scandetokened	F skip_next_expanded
F scandimen	F skipnext
F scandimenargument	F skipnextexpanded
F scandimension	F type
F scandimensionargument	F undefine_macro
F scanfloat	F undefinemacro
F scan glue	B trac-bld
F scanint	B trac-jus
F scaninteger	B trac-par
F scanintegerargument	B trac-riv
F scankey	B trac-sig
F scankeyword	B trac-vis
F scankeywordcs	B type-ini
F scanletters	B typo-adj
F scanluacardinal	B typo-bld
F scanluainteger	B typo-brk

B typo-cap	F ceiling
B typo-chr	F checkoverlap
B typo-cln	F collectoverlap
B typo-dha	F concat
B typo-dif	T contour
B typo-dig	F average
B typo-dir	F bounds
B typo-drp	F checkoverlap
B typo-duc	F collectoverlap
B typo-fkr	F getarea
B typo-fln	F getmesh
B typo-hid	F makemesh
B typo-inj	F overlapping
B typo-itc	F show
B typo-krn	F sort
B typo-lan	F copy
B typo-lbx	F crossproduct
B typo-man	F delete
B typo-mar	F determinant
B typo-ovl	F div
B typo-pag	F equal
B typo-par	F exchange
B typo-pnc	F floor
B typo-prc	F get
B typo-rep	F getdimensions
B typo-rub	F getepsilon
B typo-spa	F getmemory
B typo-stc	F getmesh
B typo-sus	F getmeshtypes
B typo-syn	F getpointtypes
B typo-tal	F getrc
B typo-wrp	F getrow
B unic-ini	F getsize
T utf8	F getstacking
F char	F gettype
S charpattern	T helpers
F codepoint	F points
F codes	F transform
F len	F xrotation
F offset	F xyzscale
T vector	F yrotation
F add	F zrotation
F append	F homogenize
F average	F identity

F inner	F div
F insert	F dot
F inverse	F dotproduct
F ismesh	F equal
F ispoints	F get
F issingular	F ispoint
F isvector	F iszero
F iszero	F len
T mesh	F length
F copy	F mul
F get	F neg
F getaverage	F negate
F getdimensions	F new
F gettypevalues	F norm
F ismesh	F normalize
F new	F perp
F set	F perpendicular
F setaverage	F set
F tostring	F sub
F totable	F tostring
F type	F totable
F meshname	F type
F mul	T points
F negate	F copy
F new	F get
F normalize	F getbounds
T normals	F getindex
F flip	F getnormal
F get	F getpool
F isnormals	F gettriangle
F new	F getxy
F set	F getxytable
F tostring	F getxyz
F totable	F getxyztable
F type	F grow
F onecolumn	F index
F onerow	F ispoints
T point	F new
F add	F prune
F copy	F set
F cross	F setindex
F crossproduct	F setnormal
F dist	F setxy
F distance	F setxyz

F size	F cos
F tostring	F cosh
F totable	F dawson
F type	F erf
F product	F erfc
F remove	F erfcx
F replace	F erfi
F round	F exp
F rowechelon	F i
F set	F imag
F setepsilon	F log
F setnext	F new
F setrc	F pow
F setstacking	F proj
F slice	F real
F sort	F sin
F sub	F sinh
F swap	F sqrt
F tostring	F tan
F totable	F tanh
F transpose	F topair
F triangulate	F tostring
F truncate	F totable
F type	F voigt
T xcomplex	F voigt_hwhm
F I	T xdecimal
F __add	F __add
F __div	F __band
F __eq	F __bor
F __mul	F __bxor
S __name	F __div
F __pow	F __eq
F __sub	F __idiv
F __tostring	F __le
F __unm	F __lt
F abs	F __mod
F acos	F __mul
F acosh	S __name
F arg	F __pow
F asin	F __shl
F asinh	F __shr
F atan	F __sub
F atanh	F __tostring
F conj	F __unm

F abs	F atanh
F band	F cos
F bor	F cosh
F bxor	F diameter
F conj	F equal
F copy	F erf
F exp	F erfc
F getprecision	F exp
F ln	F exp10
F log	F exp2
F max	F expm1
F min	F greater
F minus	F greaterequal
F new	F hull
F plus	F intersect
F pow	F less
F rotate	F lessequal
F setprecision	F log
F shift	F log10
F sqrt	F log1p
F toengstring	F log2
F tonumber	F mid
F tostring	F mod
F trim	F new
T xinterval	F neweps
F __add	F pow
F __div	F seteq
F __eq	F setge
F __le	F setgt
F __lt	F setle
F __mod	F setlt
F __mul	F sin
S __name	F sinh
F __pow	F sqr
F __sub	F sqrt
F __tostring	F tan
F __unm	F tanh
F abs	F topair
F acos	F tostring
F acosh	F totable
F asin	F usedendian
F asinh	F within
F asstring	T xmath
F atan	F acos

F acosh	F modf
F asin	N nan
F asinh	F nearbyint
F atan	F nextafter
F atan2	F normalize
F atanh	N pi
F cbrt	F pow
F ceil	F rad
F copysign	F remainder
F cos	F remquo
F cosh	F round
F crossproduct	F scalbn
F deg	F sin
F dotproduct	F sinh
F erf	F sqrt
F erfc	F tan
F exp	F tanh
F exp2	F tgamma
F expm1	F trunc
F fabs	F y0
F fdim	F y1
F floor	F yn
F fma	T xzip
F fmax	F adler32
F fmin	F compress
F fmod	F compresssize
F frexp	F crc32
F gamma	F decompress
F hypot	F decompresssize
N inf	T zbuffer
F isfinite	F bounds
F isinf	F composite
F isnan	F crop
F isnormal	F edgepoint
F j0	F flatten
F j1	F get
F jn	F getcolor
F ldexp	F getconstants
F lgamma	F getdepth
F log	F getnormal
F log10	F getnormalmodes
F log1p	F getopacity
F log2	F getsize
F logb	F implicit

F iszbuffer	F check
F meshmesh	F checkmvl
F new	F clean
F points	T data
F process	F define
F project	F definesub
F resolve	F delayedsheet
F set	F finishflush
F setcolor	F flushareas
F setdepth	F flushcolumn
F setnormal	F goto
F setopacity	F gotoslot
F setup	F limit
F smoothen	F noto
F stipple_0	F prepareflush
F stipple_1	F presetsheets
F stipple_2	F presetspreadsheets
F stipple_3	F put
F stipple_4	F putdirect
F stipple_setup	F registerarea
F tobytes	F registersheet
F toString	F registerspreadsheets
F totable	F reset
F transform	F resetdirect
F trianglebounds	F reshape
F triangled	F setarea
F triangles	F setextra
F type	F sethsize
T loaders	F sethspan
F loadlib	F setlines
F luapaths	F setmvl
S path	F setpresent
F poplibpath	F setproperties
F popluapath	F setstart
T preload	F shape
F pushlibpath	F showshape
F pushluapath	F state
F searchpath	F status
T pagebuilders	F submvl
T columnsets	F submvlbalance
F add	T injections
F addmvl	F flushafter
F block	F flushbefore
F blockrows	F save

T mixedcolumns	F authoryear
F cleanup	F authoryears
F finalize	F category
F getlist	F default
F getrest	F entry
F getsplit	F index
F setsplit	F keywords
F pairs	F num
T parametersets	F page
F pcall	F short
T pdf	F tag
F immediateobj	F textnum
T physics	F year
T units	D collected
F registershortcut	T components
F registerunit	F author
D tables	F concatstate
F print	F converttoxml
T publications	T currentspecification
F addtexentry	S author
F analyze	T categories
F anywhere	T article
D authorcache	S category
D authorcollapsers	T extra
T authorhashers	T fields
F invertedshort	S author
F normal	S editor
F normalinverted	S journal
F normalshort	S keywords
F sequential	S note
F sequentialshort	S number
F short	S pages
D authormap	S title
F authortoregister	S volume
T btx	S year
T casters	T optional
F author	T required
F keyword	T sets
F pagenumber	T author
F range	T virtual
F checkeddataset	T book
T citevariants	S category
F author	T extra
F authornum	T fields

S address	T required
S author	T sets
S edition	T authors
S editor	T virtual
S keywords	S comment
S note	S copyright
S number	T fields
S publisher	S name
S subtitle	T types
S title	S author
S volume	S editor
S year	S keywords
T optional	S number
T required	S page
T sets	S pages
T author	S volume
T editionset	S version
T virtual	D virtual
T demo-a	T virtualfields
S category	B authornum
T extra	B authoryear
T fields	B authoryears
S author	B num
S institution	B suffix
S organization	T datasets
S subtitle	T detailed
S title	F endnotes_to_btx
S year	T enhancer
T optional	S arguments
T required	T askip
T sets	T attr
T author	B dirty
T virtual	T gskip
T demo-b	T kind
S category	T list
T extra	T system
T fields	T order
S author	N steps
S institution	T enhancers
S organization	F details
S subtitle	F order
S title	F suffixes
S year	F finder
T optional	F firstofrange

F found	F uservariable
F get	T listvariants
F getcasted	F default
F getdetail	F index
F getdirect	F num
F getfaster	F short
F getfield	F tag
F getfuzzy	F load
F getindex	F loadbibdata
D inspectors	F loaddefinitionfile
T journals	T loaders
F abbreviated	F bbl
F add	F bib
F expanded	F buffer
F load	F endnote
F save	F json
F lastofrange	F lua
T lists	F refman
F collectentries	F registercleaner
F combiinlist	F xml
F fetchentries	F loadreplacementfile
F filterall	T meanings
F flushcombi	F new
F flushentry	F okay
F flushtag	F oneorrange
T methods	F parenttag
F dataset	F permitted
F force	F prerollcmdstring
F global	F refman_to_btx
F label	F resolvedname
F local	F save
F nofregistered	T savers
F prepareentries	F bib
F register	F lua
F sameasprevious	F xml
T sorters	F search
F cite	F setcategory
F dataset	F setspecification
F default	F singularorplural
F index	F sortedentries
F list	T sortmethods
F reference	T authortitle
F short	T sequence
F used	T authoryear

T sequence	F rawset
T dataset	T regimes
T sequence	D backmapping
T key	F cleanup
T sequence	F disable
T specifications	F enable
F splitauthor	F fromregime
F splitoneauthor	F list
T statistics	D mapping
N nofbytes	F pop
N nofdatasets	F process
N nofdefinitions	F push
N nofshortcuts	F toregime
T tables	F translate
D implicits	F require
D origins	T resolvers
D privates	F allprefixes
D sets	F appendhash
D specials	F automount
D types	F booleanvariable
D virtuals	S cacheversion
F tags	F checkedvariable
T tracers	F cleanedpathlist
F showdatasetauthors	D cleaners
F showdatasetcompleteness	F cleanpath
F showdatasetfields	F cleanpathlist
F showentry	F cleanupbinfile
F showfields	D concatenators
F showhashedauthors	S configbanner
F showtables	F configurationfiles
F showvariants	D dangerous
T typesetters	F datastate
F author	T decompressors
F string	F register
F usedataset	F unregister
F usedentries	T defaultsuffixes
T writers	F dirstatus
F author	F dowithfilesandreport
F keyword	F dowithfilesintree
F pagenumber	F dowithpath
F range	F dowithvariable
F rawequal	T executers
F rawget	F expandbraces
F rawlen	F expandedpathfromlist

F expandedpathlist	F collectstructure
F expandedpathlistfromvariable	F currentcomponent
F expandpath	F currentenvironment
F expandpathfromvariable	F currentproduct
F expansion	F currentproject
F extendtexmfvariable	F currentstructure
F filtered_from_content	F justacomponent
F find_file	F namelist
F find_files	D processors
F findbinfile	F productcomponent
F findctxfile	F usefile
D finders	F joinpath
F findfile	F knownvariables
F findfiles	T libraries
F findgivenfile	F optionalloaded
F findgivenfiles	F validoptional
F findlib	F load
F findpath	F loadbinfile
F findpk	D loaders
F findtexfile	F loadlualib
F findwildcardfile	F loadtexfile
F findwildcardfiles	F loadtime
F formatofsuffix	F locateformat
F formatofvariable	D locators
D formats	S luacnffallback
F foundintree	S luacnfname
F foundintrees	S luacnfspec
D generators	S luacnfstate
F get_from_content	T macros
F getdetails	F convertfile
F getenv	F decodecomment
F getextrapaths	F enablecomment
F getfilehashes	F encodecomment
F gethashes	F preprocessed
F getownpath	F processmk
F getreadfilename	F processmklx
D hashers	F processmkvi
S homedir	F version
F ignorelibrary	N maxreadlevel
F initialized	F methodhandler
F installinputfilehandler	F missinglibrary
F installinputlinehandler	F openbinfile
F jobpath	D openers
T jobs	F openfile

F opentextfile	F splitpath
S ownpath	F stackpath
F popextrapath	F starttiming
F popinputname	F stoptiming
F poppath	D suffixes
D prefixes	D suffixmap
F prependhash	F suffixofformat
F pushextrapath	F texdatablob
F pushinputname	F toppath
F pushpath	D tracers
F registerextrapath	F unexpandedpath
F registerfile	F unexpandedpathlist
F registerfilehash	F unresolve
F registerintrees	F updaterelations
F registermethod	F updatescript
F registerzipfile	F uselibrary
D relations	D usertypes
F renew	F usezipfile
F renewcache	F validatedpath
F repath	F variable
F reset	F variableofformat
F resetextrapaths	F variableofformatorsuffix
F resetresolve	F wildcardpattern
F resolve	T sandbox
D savers	F blockrequire
F scandata	F disablelibraries
F scanfiles	F disablerunners
T schemes	F enable
T cleaners	F filehandlerone
F md5	F filehandlertwo
F none	F finalizer
F strip	F getrunner
F cleanname	F initializer
F fetchstring	F iohandler
F fetchtable	F logcalls
F install	F logfiles
F setdynamic	F original
F setenv	F overload
F showdetails	F possiblepath
F showpath	F redefine
F simplescanfiles	F register
F splitconfigurationpath	F registerbinary
F splitexpansions	F registerlibrary
F splitmethod	F registerroot

F registerrunner	D splitters
F report	F select
F setfilenamelogger	T set
F setlogger	F contains
F setreporter	F create
F settrace	F tolist
F validfilename	F tonumber
T scripts	F totable
T autofontfeature	F setinspector
F disable	F setmathparameters
F enable	F setmetatable
F handler	T sorters
D colors	F basicsorter
F decomposehangul	T comparers
T defaults	F basic
N inter_char_half_shrink_factor	T constants
N inter_char_half_stretch_factor	S defaultdigits
N inter_char_hangul_penalty	S defaultlanguage
N inter_char_quarter_shrink_factor	S defaultmethod
N inter_char_quarter_stretch_factor	N digitsmaximum
N inter_char_shrink_factor	N digitsoffset
N inter_char_stretch_factor	N ignoredoffset
N inter_word_stretch_factor	N replacementoffset
F getdata	T validmethods
F getinjector	B ch
F getsplitter	B mc
F getstatus	B mm
D handlers	B pc
D helpers	B pm
D injectors	B uc
T inserters	B zc
F nobreakspace_after	B zm
F nobreakspace_before	D definitions
F space_after	F firstofsplit
F space_before	F packch
F zerowidthspace_after	F packuc
F zerowidthspace_before	F replacementlist
F installdataset	F setlanguage
F installmethod	F sort
D numbertodataset	T splitters
D numbertohandler	F utf
F reset	F strip
F set	D tracers
F setstatus	F update

T statistics	N toftables
F benchmarktimer	T streams
F checkfmtstatus	F collect
F currenttime	F disable
F elapsed	F enable
F elapsedindeed	F flush
F elapsedseconds	F initialize
F elapsedtime	F push
B enable	F start
T feedback	F stop
F info	F synchronize
F processtates	T structures
F register	F allocation
F reportstates	T blocks
F setstate	D collected
F formatruntime	F define
F hastiming	F empty
F memused	F print
F register	F save
F resettiming	F select
F runtime	F setstate
F savefmtstatus	D states
F show	D tobesaved
F showmemory	F uservariable
F showusage	T bookmarks
F starttiming	T extras
F stoptiming	F get
N threshold	F mergesections
F timed	F register
F tracefunction	F reset
T storage	F tosections
F allocate	F finalize
T data	F flatten
F mark	F installhandler
F marked	F merge
N max	S method
N min	F overload
N nofmodules	F place
N noftables	F register
F register	F setopened
D shared	F setup
D storedfunctions	T counters
B strip	F add
N tofmodules	F analyze

F check	F merged
D collected	F page
F compact	F pageofinternal
F converted	F prefix
F currentvalue	F prefixlastpage
D data	F prefixpage
F define	F simplify
F first	F title
F get	F touserdata
F isset	T inserts
F last	F attach
F next	D data
F prev	F define
F previous	F detach
F raw	F getdata
F record	F getlocation
F reset	F getname
F restart	F getnumber
F restore	F nofdetached
F save	F setlocation
F set	F setup
F setlevel	D stored
F setoffset	T itemgroups
F setown	D collected
F setstate	D tobesaved
F setvalue	T lists
T specials	F addto
F userpage	F analyze
F subs	F bookmark
D tobesaved	D cached
F value	D collected
F way	F discard
F currentsectionnumber	F enhance
T descriptions	T enhancers
T documents	F external
D data	F filter
F initialize	F formulanumber
F preset	F getresult
F reset	F groupindex
T floats	F hasnumberdata
T formulas	F haspagedata
T helpers	F hastitledata
F analyze	F integrate
F formulanumber	F iscached

D kinds	F getstorecount
F label	F getstoreflushed
F location	F hascontent
D names	F internal
F number	F internalid
D ordered	F listindex
F page	D numbers
F popnesting	F ordered
F prefix	F postpone
F prefixednumber	F resetpostponed
F prefixedpage	F restore
F process	F save
D pushed	F setstate
F pushnesting	D states
F rawnumber	F store
F rawrealpage	T pages
F rawuserpage	F allmarked
F realpage	F analyze
F reorder	D collected
F reordered	F fraction
T result	F getlabels
F savedlistnumber	F in_body
F savedlistprefixednumber	F is_odd
F savedlisttitle	F mark
D sectionblocks	F marked
F size	F markedlist
F title	N nopages
D tobesaved	F number
F use	F on_right
F userdata	F save
F userpage	D tobesaved
F uservalue	F toranges
T marks	T references
F number	F analyze
F title	F checked
T notes	F checkedfile
F checkpageexchange	F checkedfileorurl
F define	F checkedprogram
F flushrange	F checkedrealpage
F get	F checkedurl
F getdeltapage	D collected
F getinternal	U componentsplitter
F getn	F currentmetadata
F getstate	F currentorder

D currentset	T programs
F define	T data
D defined	F define
D derived	F get
F enhance	F realpageofpage
D executers	F referenced
F export	U referencesplitter
T files	D referred
T data	F referredpage
F define	F registerfinalizer
F found	F registerinitializer
F get	F registerpage
F filter	F reset
F filterdefault	D runners
D filters	F set
D flaginternals	F setandgetattribute
F forceinnermode	F setinternalreference
F from	F setlinkmethod
D functions	F setnextinternal
F get	F setnextorder
F getcurrentlabel	F setreferencerealpage
F getcurrentmetadata	F setstructure
F getcurrentprefixspec	D specials
F getinnermethod	F splitcomponent
F getinternalcachedlistreference	F splitprefix
F getinternallistreference	F splitreference
F getinternalreference	F synchronizepage
F getoutermethod	T testrunners
D handlers	F inner
F identify	F special
F import	F special operation
F inject	F special operation with arguments
F injectcurrentset	T testspecials
S innermethod	F deltapage
F integrate	F i
D internals	F internal
F load	F page
F loadpresets	F realpage
F mark	F section
S outermethod	F userpage
F pagefromhash	D tobereferred
D pages	D tobesaved
U prefixsplitter	D tracedpages
D productdata	T urls

T data	F fullnumber
F define	F getcurrentlevel
F found	F getlevel
F get	F getnumber
F untex	F internalreference
D usedinternals	D levelmap
D usedviews	D levels
F valid	F matchingtilldepth
T registers	F numberatdepth
F analyze	F numbers
D collected	F popblock
F compare	F prefixedconverted
F define	F pushblock
F enhance	F register
F extend	D registered
F filter	F reportstructure
F filtercollected	F save
F finalize	T sectionblockdata
F findinternal	T bodypart
F flush	S bookmark
F get	F set
F integrate	F setblock
F prepare	F setchecker
F process	F setentry
F setmethod	F setinitialblock
F sort	F setlevel
F store	F setnumber
D tobesaved	F showstructure
F tweak	F structuredata
F unique	F title
F use	D tobesaved
F userdata	F typesetnumber
T sections	F userdata
F autodepth	B verbose
F cct	T sets
D collected	F define
F current	F get
F currentblock	F getall
F currentid	D setlist
F currentlevel	T specials
F currentsectionindex	D collected
F depthnumber	F retrieve
F finddata	F store
F findnumber	D tobesaved

T synonyms	F combinationpair
F analyzed	F delimitedsymbol
D collected	F description
F compare	F descriptionsymbol
F define	F document
F enhance	F float
F filter	F formulacontent
F finalize	F image
F firstuserpage	F item
F flush	F itemgroup
F isshown	F link
F isused	F listitem
F meaning	F mmultiscripts
F pages	F mover
F prepare	F mpgraphic
F process	F msub
F register	F msubsup
F registershown	F msup
F registerused	F munder
F reset	F munderover
F resetall	F paragraph
F resetlist	F publication
F resetshown	F reference
F resetused	F registerlocation
F sort	F registerpages
F synonym	F registerseparator
D tobesaved	F section
F userpages	F sorting
T tags	F subsentencesymbol
F analyze	F synonym
T backend	F tablecell
T checks	F tabulate
F marginanchor	F tabulatecell
F margintext	T finalizers
F math	F descriptions
F mrow	T fixes
F mtable	F linenumber
T destinationhash	F fontfaced
T extras	T listdata
F adddestination	T referencehash
F addimplicit	F setattribute
F addinternal	F tofontface
F addreference	T usedimages
F combination	T image

- T mpgraphic
- T usedstyles
- T construct
- T highlight
- F checknesting
- F current
- F elementtag
- F enabled
- F exportbox
- F finishexport
- F getdescriptionindex
- F getextradata
- F getid
- F getitemgroup
- F getmetadata
- F getoption
- F getsorting
- F getsynonym
- F gettablecell
- F gettabulatecell
- F gettagreferencedescription
- F handler
- T ignored
- F initializeexport
- D labels
- F last
- F lastinchain
- F localexport
- F locatedtag
- T modes
 - S BlockQuote
 - S FENote
 - S H1
 - S H2
 - S H3
 - S H4
 - S H5
 - S H6
 - S H7
 - S H8
 - S H9
 - S Lbl
 - S NonStruct
 - S P

- S Part
- S Sect
- D overloads
- T patterns
- U splitter
- F pop
- D properties
- F push
- F registerextradata
- F registermetadata
- F restart
- F setaspect
- F setattributehash
- F setcodepoint
- F setcombination
- F setcombinationpair
- F setconstruct
- F setdescriptionindex
- F setfigure
- F setfloat
- F setformulacontent
- F sethighlight
- F setitem
- F setitemgroup
- F setmpgraphic
- F setnotation
- F setnotationsymbol
- F setparagraph
- F setproperty
- F setpublication
- F setregister
- F setsorting
- F setsynonym
- F settablecell
- F settabulatecell
- F settagdelimitedsymbol
- F settagsubsentencesymbol
- F setupexport
- F setuserproperties
- D specifications
- F start
- F stop
- F strip
- D taglist

T unsupported	S Strong
B Annot	S Sub
B Art	S TOC
B BibEntry	S TOCI
B Caption	S Title
B Document	D texconditionals
B DocumentFragment	T texconfig
B Em	T buffersize
B Form	N size
B H	N step
B Index	T errorlinesize
B Link	N size
B Note	T expandsize
B Quote	N size
B Reference	T filesize
B Strong	N size
B TOC	N step
B TOCI	S firstline
B Title	T fontsize
T usewithcare	N size
T where	N step
S Art	S formatname
S Artifact	N functionsize
S Aside	T halferrorlinesize
S BibEntry	N size
S BlockQuote	T hashsize
S Code	N size
S DocumentFragment	N step
S Em	F init
S FENote	T inputsize
S H1	N size
S H2	N step
S H3	T insertsize
S H4	N size
S H5	N step
S H6	B kpse_init
S H7	T languagesize
S H8	N size
S H9	N step
S Index	T marksize
S Note	N size
S Private	N step
S Quote	T nestsize
S Reference	N size

N step	T bits
T nodesize	N active
N size	N alignment
N step	N begingroup
T parametersize	N character
N size	N close
N step	N comment
T poolsize	N endgroup
N size	N endofline
N step	N escape
N propertiessize	N ignore
T savesize	N invalid
N size	N letter
N step	N mathshift
S shell_escape	N open
T stringsize	N other
N size	N parameter
N step	N space
T tokensize	N subscript
N size	N superscript
N step	N whitespace
D texconstants	D cache
D texifs	D commands
D texitdefined	F compile
D texmodes	F constant
D texsystemmodes	T converters
T thirddata	S toboolean
F toboolean	S todimen
F todecimal	S toglue
T tokens	S tonumber
T accessors	S tostring
F active	F create
F cmd	F defined
F cmdchrcls	F flags
F cmdname	F getinteger
F command	T getters
F csname	F box
F expandable	F count
F frozen	F cstoken
F index	F dimen
F name	F glue
F protected	F macro
F range	F meaning
F astable	F skip

F token	F count
F gobble	F csname
F isactivestring	F csnameunchecked
F isdefined	F delimited
F istoken	F detokened
F new	F dimen
F pickup	F dimension
F popmacro	F dimensionargument
T presets	F float
T 1 argument	F glue
T 1 integer	F gluespec
T 1 optional	F gluevalues
T 1 string	F hash
T 2 arguments	F hbox
T 2 integers	F integer
T 2 optionals	F integerargument
T 2 strings	F ischar
T 3 arguments	F key
T 3 integers	F keyword
T 3 optionals	F keywordcs
T 3 strings	F letters
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D messages
F mpsstringcall
F newindex
F newtable
D numbers
F protectglobal
F registercode
F registeredcodes
F registerglobal
F registerinitedfinalizer
F registername

luac	table
------	-------

```
F inspect
F print
latex
F abort
F cleanup
F cleanuptempfiles
F currentfile
F currentlevel
F currenttotal
F poprunstate
F pushrunstate
F registerdumpactions
F registerpageactions
F registerstartactions
F registerstopactions
F registertempfile
N starttime
F wrapup
```

lxml	table
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- F addindex
- F all
- F applyfunction
- F applyselectors
- F att
- F attribute
- F badinclusions
- F chainattribute
- F checkindex
- F collected
- F command
- F concat
- F concatrange
- F content
- F context
- F convert
- F count

F delete	F loaddata
F depth	F main
F direct	F match
F displayverbatim	F name
F doif	F namespace
F doifelse	F nonspace
F doifelseempty	F par
F doifelsetext	F param
F doifempty	F parameter
F doifnot	F path
F doifnotempty	F popmatch
F doifnottext	F pos
F doiftext	F position
F element	F pure
F elements	F pushmatch
D entities	F raw
F fileline	F rawroot
F filename	F rawtex
F filter	F refatt
F filterlist	F register
F first	F registerentity
F flush	F removesetup
F flushlinewise	F replace
F flushsetups	F resetcdata
F flushspacewise	F resetsetups
F get_id	F resolvedentity
F getid	F root
F getindex	F save
F id	F serialize
U idsplitter	F setaction
F ifatt	F settatt
F ifattempty	F setattribute
F include	F setcdata
F inclusion	F setcommandtonone
F inclusions	F setcommandtotext
F index	F setpar
F inlineverbatim	F setparam
F installsetup	F setparameter
F last	F setsetup
F lastatt	F snippet
F lastmatch	F splitid
F lastpar	F startraw
F load	F startunesaped
F loadbuffer	F stopraw

F stopunesaped
F store
F strip
F stripped
F tag
F texatt
F text
F tobuffer
F tofile
F toparameters
F toverbatim
F verbatim
F withinindex
D xmltexhandler

math **table**

F abs
F acos
F asin
F atan
F atan2
F ceil
F ceiling
F cos
F cosd
F cosh
F deg
F div
F even
F exp
F floor
F fmod
F frexp
N huge
N initialseed
F ldexp
F log
F log10
F max
N maxinteger
F min
N mininteger
F mod
F modf
F odd

N pi
F pow
F rad
F random
F randomseed
F round
F setrandomseedi
F sin
F sind
F sinh
F sqrt
F tan
F tand
F tanh
F tointeger
F type
F ult

mathematics **table**

F addfallbacks
F addvariant
D alphabets
D alternatives
F beforepassingfonttotex
F big
D boldmap
D charactersets
F checkaftercopyingfont
D classes
D classnames
D codes
F define
F dimensions
F disablecollecting
F enablecollecting
F extensiblecode
D extensibles
N extrabase
F fallbackstyleattr
F familyname
F functiontype
D gaps
F getblobindex
F getboth
F getdomainname

F gettextensibledata
 F getmathblob
 F getoptionallabel
 F getstyle
 F gettextblob
 F getverboselabel
 F horizontalcode
 F initializeparameters
 F makefont
 D mapremap
 F markblobindexdone
 F overloadparameters
 F preset
 N privatebase
 F registerextensible
 F registersimplematrix
 F registerverboselabel
 F remapalphabets
 F renderextensible
 F renderset
 F resetattributes
 F scaleparameters
 F settextensibledata
 F setmathsymbol
 D sets
 F setsnapping
 F setvariant
 F strutcode
 D styles
 F syncboth
 F syncname
 F syncstyle
 F toengineclass
 F toname
 F tostyle
 F tweakaftercopyingfont
 F tweakbeforecopyingfont
 F utfmathaccent
 F utfmathclass
 F utfmathcommand
 F utfmathfiller
 F utfmathstretch
 F variantcode
 F variantcount

F virtualize
 D virtualized
md5 table
 F HEX
 F dec
 F hex
 F sum
 F sumHEXA
 F sumhexa
metapost table
 F checkformat
 F checktracingonline
 F cm
 F colorinitializer
 F convert
 F currentmpx
 F currentmpxstatus
 S defaultformat
 S defaultinstance
 S defaultmethod
 F directrun
 F escaped
 D extensiondata
 F filter
 F filterclippath
 F flush
 F flushnormalpath
 F format_number
 F format_string
 F formatnumber
 F getbackendoption
 F getbendtolerance
 F getbuffer
 F getclippath
 F getextensions
 F getextradata
 F gethashentries
 F getinstancebyname
 F getinstanceinfo
 F getinstancenames
 F getjobdata
 F getmovetolerance
 F getparameter
 F getparameterpreset

F getparameterset	F registermeshupper
F getrecord	F registerpointset
F getstatistics	F registerscript
F gettext	F registertokens
F gettolerance	F remappedtext
F graphic	F remaptext
F graphic_base_pass	F reporterror
F hascurvature	F reportsvgfonts
F includesvgbuffer	F reset
F includesvgfile	F resetbackendoptions
F installplugin	F resetlastlog
F isobject	F resetplugins
S lastlog	F run
F load	F runinternal
F maketext	F runscript
F mesh	F scanparameters
F mesher	F scriptindex
F meshupper	F setbendtolerance
N n	F setbuffer
F newlogger	F setextensions
N nofruns	F setlogging
F nofscriptruns	F setmovetolerance
F nvformat	F setoutercolor
F pdfliterals	F setparameter
F pluginactions	F setparameterset
F points	F setrecord
F pointset	F settext
F popformat	F settolerance
F popscriptrunner	F setvariable
F popvariable	B showlog
F popvariables	F showsvgpage
F preparetexttextsdata	F simple
F process	F splitprescript
F processing	F startgraphic
F processplugins	F startsvghashing
F pushformat	F stopgraphic
F pushscriptrunner	F stopsvghashing
F pushvariable	F svformat
F pushvariables	B svgcachefile
B quitonerror	F svgcolorremapper
B reducetogray	F svgglyphomp
F registerdirect	F svgshapestomp
F registerfilter	F svgshapestopdf
F registermesher	F svgsplitcolor

F	svgtomp	D	buff-imp-mp
F	svgtopdf	D	buff-imp-nested
F	sxsy	D	buff-imp-parsed-xml
B	texerrors	D	buff-imp-tex
F	texexp	D	buff-imp-xml
F	theclippath	D	buff-ini
F	tographic	D	buff-par
F	totable	D	buff-ver
F	typesvgpage	D	char-enc
F	unload	D	chem-ini
F	untagvariable	D	chem-str
mime	table	D	cldf-com
F	b64	D	cldf-ver
F	decode	D	colo-icc
F	dot	D	colo-ini
F	encode	D	cont-run
F	eol	D	core-con
F	normalize	D	core-ctx
F	qp	D	core-dat
F	qpwrp	D	core-sys
F	report	D	driv-shp
F	stuff	D	file-mod
F	unb64	D	file-syn
F	unqp	D	font-afk
F	wrap	D	font-agl
F	wrp	D	font-aux
moduledata	table	D	font-cff
modules	table	D	font-chk
D	anch-loc	D	font-cid
D	anch-pgr	D	font-col
D	anch-snc	D	font-con
D	back-exp	D	font-ctx
D	back-exp-imp-fnt	D	font-def
D	back-exp-imp-mth	D	font-dsp
D	back-exp-imp-ref	D	font-enc
D	back-exp-imp-tag	D	font-enh
D	back-imp-lua	D	font-fbk
D	back-imp-mps	D	font-fmp
D	back-imp-pdf	D	font-hsh
D	back-imp-pdp	D	font-imp-checks
D	blob-ini	D	font-imp-combining
D	buff-imp-default	D	font-imp-compound
D	buff-imp-escaped	D	font-imp-digits
D	buff-imp-lua	D	font-imp-dimensions

D font-imp-effects
D font-imp-italics
D font-imp-ligatures
D font-imp-math
D font-imp-notused
D font-imp-properties
D font-imp-quality
D font-imp-reorder
D font-imp-scripts
D font-imp-spacekerns
D font-imp-tex
D font-imp-text
D font-imp-tracing
D font-imp-tweaks
D font-imp-unicode
D font-ini
D font-lig
D font-log
D font-lua
D font-map
D font-mpf
D font-mps
D font-nod
D font-ogr
D font-one
D font-onr
D font-osd
D font-ota
D font-otc
D font-otd
D font-oth
D font-oti
D font-otj
D font-otl
D font-oto
D font-otr
D font-ots
D font-ott
D font-oup
D font-pat
D font-prv
D font-san
D font-sel
D font-shp

D font-sol
D font-syn
D font-tfm
D font-tpk
D font-trt
D font-ttf
D font-txt
D font-vfc
D font-vir
D good-ctx
D good-gen
D good-ini
D good-mth
D grph-bmp
D grph-con
D grph-epd
D grph-fil
D grph-img
D grph-inc
D grph-pat
D grph-raw
D grph-rul
D grph-trf
D grph-u3d
D java-ini
D lang-cnt
D lang-def
D lang-dis
D lang-exc
D lang-hup
D lang-hyp
D lang-ini
D lang-lab
D lang-rep
D lang-tra
D lang-txt
D lang-url
D lang-wrd
D libs-imp-curl
D libs-imp-ghostscript
D libs-imp-graphicsmagick
D libs-ini
D lpdf-ano
D lpdf-col

D lpdf-epa	D math-vfu
D lpdf-epd	D meta-blb
D lpdf-fix	D meta-fnt
D lpdf-fix-imp-contents	D meta-fun
D lpdf-fix-imp-fonts	D meta-imp-txt
D lpdf-fld	D meta-ini
D lpdf-fmt	D meta-lua
D lpdf-grp	D meta-nod
D lpdf-img	D meta-pdf
D lpdf-ini	D meta-tex
D lpdf-lmt	D mlib-ctx
D lpdf-mis	D mlib-fio
D lpdf-ren	D mlib-int
D lpdf-rul	D mlib-lmp
D lpdf-sig	D mlib-lmt
D lpdf-tag	D mlib-lua
D lpdf-u3d	D mlib-mat
D lpdf-wid	D mlib-mpf
D lpdf-xmp	D mlib-msh
D lxml-css	D mlib-pdf
D lxml-dir	D mlib-pos
D lxml-ent	D mlib-pps
D lxml-ini	D mlib-ptr
D lxml-mms	D mlib-pts
D lxml-sor	D mlib-ran
D lxml-tex	D mlib-run
D math-act	D mlib-scen
D math-ali	D mlib-snc
D math-dim	D mlib-svg
D math-ext	D node-ali
D math-fbk	D node-bck
D math-fnt	D node-fnt
D math-frc	D node-par
D math-inc	D node-ref
D math-ini	D node-rul
D math-map	D node-tra
D math-mps	D node-typ
D math-noa	D pack-obj
D math-pre	D pack-ori
D math-rad	D pack-rul
D math-ren	D page-blk
D math-spa	D page-cst
D math-tag	D page-flt
D math-txt	D page-ini

D page-inj	D spac-ver
D page-ins	D strc-bkm
D page-lin	D strc-blk
D page-mix	D strc-con
D page-otr	D strc-doc
D page-pst	D strc-flt
D page-sel	D strc-ini
D page-str	D strc-itm
D phys-dim	D strc-lev
D publ-aut	D strc-lst
D publ-dat	D strc-mar
D publ-fnd	D strc-mat
D publ-inc	D strc-not
D publ-ini	D strc-num
D publ-jrn	D strc-pag
D publ-oth	D strc-ref
D publ-reg	D strc-reg
D publ-sor	D strc-rsc
D publ-tra	D strc-syn
D publ-usr	D strc-tag
D regi-ini	D strc-usr
D scrn-but	D symb-emj
D scrn-fld	D symb-ini
D scrn-hlp	D syst-cmp
D scrn-ini	D tabl-ali
D scrn-pag	D tabl-ntb
D scrn-ref	D tabl-tbl
D scrn-wid	D tabl-xtb
D scrp-cjk	D task-ini
D scrp-eth	D trac-bld
D scrp-ini	D trac-jus
D scrp-tha	D trac-par
D scrp-tib	D trac-riv
D sort-ini	D trac-sig
D sort-lan	D trac-vis
D spac-ali	D type-ini
D spac-brk	D typo-adj
D spac-chr	D typo-bld
D spac-hor	D typo-brk
D spac-ovl	D typo-cap
D spac-par	D typo-chr
D spac-pas	D typo-cln
D spac-prf	D typo-dha
D spac-twi	D typo-dif

D typo-dig
D typo-dir
D typo-drp
D typo-duc
D typo-fkr
D typo-fln
D typo-hid
D typo-inj
D typo-itc
D typo-krn
D typo-lan
D typo-lbx
D typo-man
D typo-mar
D typo-ovl
D typo-pag
D typo-par
D typo-pnc
D typo-prc
D typo-rep
D typo-rub
D typo-spa
D typo-stc
D typo-sus
D typo-syn
D typo-tal
D typo-wrp
D unic-ini

mp

function

F autoinject
F boolean
F bytemap_load_from_file
F cleaned
F color
F dataset
F direct
F downgradebytemap
F downsamplebytemap
F draw
F expandtex
F fill
F fillbytemap
F flatten
F flush

F format
F formatted
F fprint
F getbytemap
F getbytemapdata
F getbytemapdirect
F getlastaddtype
F graphformat
F integer
F lmt_function_x
F lmt_glyphshape_accent
F lmt_glyphshape_baseline
F lmt_glyphshape_boundingbox
F lmt_glyphshape_depth
F lmt_glyphshape_height
F lmt_glyphshape_italic
F lmt_glyphshape_llx
F lmt_glyphshape_n
F lmt_glyphshape_path
F lmt_glyphshape_start
F lmt_glyphshape_stop
F lmt_glyphshape_usedbox
F lmt_glyphshape_usedline
F lmt_glyphshape_width
F lmt_mesh_set
F lmt_mesh_update
F lmt_poisson_generate
F lmt_start_potrace
F lmt_step_potrace
F lmt_stop_potrace
F lmt_svg_include
F loadbytemap
F loadbytemapfile
F mesh_register
F mf_blob_add
F mf_blob_dimensions
F mf_blob_index
F mf_blob_new
F mf_blob_raw_content
F mf_blob_raw_dimensions
F mf_blob_raw_reset
F mf_blob_raw_toutf
F mf_blob_raw_wipe
F mf_blob_size

- F mf_blob_width
- F mf_external_figure
- F mf_finish_saving_data
- F mf_formatted_text
- F mf_get_outline_text
- F mf_graphic_text
- F mf_inject_blob
- F mf_map_move
- F mf_map_text
- F mf_named_color
- F mf_outline_text
- F mf_save_data
- F mf_script_index
- F mf_start_saving_data
- F mf_stop_saving_data
- F mode
- F n
- F newbytemap
- F number
- F numeric
- F pair
- F pairpoints
- F path
- F pathpoints
- F points
- F points_register
- F processbytemap
- F processingmode
- F quadruple
- F quadruplepoints
- F quoted
- F report
- F setbytemap
- F setbytemapoctave
- F size
- F solve
- F string
- F systemmode
- F transform
- F triplet
- F tripletpoints
- F vprint

mplib

table

- F downgradebytemap

- F downsamplebytemap
- F execute
- F expandtex
- F fillbytemap
- F finder
- F finish
- F getbytemap
- F getbytemapdata
- F getbytemapdirect
- F getcallbackstate
- F getcodes
- F getcolormodels
- F getfields
- F gethashentries
- F gethashentry
- F getinternalactions
- F getknotstates
- F getlastaddtype
- F getlogtargets
- F getobjectdata
- F getobjectpeninfo
- F getobjectstacking
- F getobjecttypes
- F getprimitivelegacies
- F getprimitiveorigins
- F getprimitives
- F getpruneoptions
- F getresultstates
- F getscaledbits
- F getscantypes
- F getstates
- F getstatistics
- F getstatus
- F gettolerance
- F gettype
- F gettypes
- F injectboolean
- F injectcmymcolor
- F injectcolor
- F injectinteger
- F injectnumber
- F injectnumeric
- F injectpair
- F injectpath

F injectpoints		F checkdiscretionaries
F injectstring		F checkdiscretionary
F injecttokens		F copy
F injecttransform		F copylist
F injectvector		F count
F injectvectors		F currentattributes
F injectwhatever		F dimensions
F new		F effectiveglue
F newbytemap		F endofmath
F peninfo		F family_font
F processbytemap		F fields
B realltimelogging		F findattribute
F scanboolean		F flattendiscretionaries
F scanmykcolor		F flushlist
F scancolor		F flushnode
F scanexpression		F free
F scaninteger		F getattribute
F scannext		F getcachestate
F scannumber		F getfield
F scannumeric		F getfielderror
F scanpair		F getglue
F scanpath		F getnodeerrorvalues
F scanpen		F getpropertyestable
F scanproperty		F getproperty
F scanstring		F gluetostring
F scansymbol		F hasattribute
F scantoken		F hasfield
F scantransform		F hasglyph
F setbytemap		F hpack
F setbytemapoctave		F hyphenating
F settolerance		F id
F showcontext		F insertafter
F skiptoken		F insertbefore
F solvepath		F instock
F version		F intracking
nanojpeg	table	F inuse
F decode		F isnode
next	function	F iszeroglue
noads	table	F kerning
F getmathmode		F lastnode
F process		F length
F processnested		F ligaturing
F processouter		F makeextensible
node	table	F mlisttohtml

- F new
- F protectglyph
- F protectglyphs
- F protrusionskipppable
- F rangedimensions
- F remove
- F serialized
- F setattribute
- F setfield
- F setfielderror
- F setglue
- F setproperty
- F show
- F size
- F slide
- F subtypes
- F tail
- F todirect
- F tonode
- F toString
- F traverse
- F traverseid
- F type
- F types
- F unprotectglyph
- F unprotectglyphs
- F unsetattribute
- F usedlist
- F usesfont
- F vpack
- F write

nodes

- D accentcodes
- F aligned
- F append
- F apply
- F applyvisuals
- F astable
- F basepoints
- D boundarycodes
- D choicecodes
- F concat
- F copy
- F copy_node

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- F copylist
- F countall
- F currentattributes
- F delete
- D dircodes
- D directioncodes
- D directionvalues
- D dirvalues
- D discodes
- D discretionarycodes
- D fencecodes
- F fields
- D fillcodes
- D fillvalues
- F firstdirinbox
- F flush
- F flushlist
- F flushnode
- D fractioncodes
- F fullhpack
- F getattr
- F getattribute
- F getboth
- F getbox
- F getchar
- F getfield
- F getfont
- F getid
- F getleader
- F getlist
- F getnext
- F getprev
- F getproperty
- F getsubtype
- D gluecodes
- D glyphcodes
- F hasattribute
- F hasfield
- F hpack
- F idsandsubtypes
- F idstousing
- F insertafter
- F insertbefore
- F insertlistafter

F installattributehandler	F setbox
F is_display_math	F setboxtonaturalwd
F isdirect	F setchar
F isnode	F setfield
F isnut	F setfont
D kerncodes	F setleader
F leftmarginwidth	F setlink
F link	F setlist
F linked	F setnext
F list	F setprev
D listcodes	F setproperty
F listtutf	F showboxes
D literalvalues	F showlist
F locate	F showsimplelist
D markcodes	D skipcodes
D mathcodes	F somepenalty
D mathvalues	F somespace
F maxboxwidth	F splitbox
F new	F startofpar
D noadcodes	F stripdiscretionaries
D nodecodes	D subtypes
F nopts	F tail
F packlist	F takeattr
D parcodes	F takebox
D penaltycodes	F tobasepoints
F points	F tocentimeters
F prepend	F tociceros
F print	F todidots
F pts	F todimen
D radicalcodes	F toinches
F rehpak	F tomillimeters
F remove	F tonode
F repackhlist	F tonodes
F replace	F tonut
F report	F topics
F rightmarginwidth	F topoints
D rulecodes	F toscaledpoints
F serialize	F tosequence
F serializebox	F toString
F serialized	F totable
F setattr	F totree
F setattrtribute	F toutf
F setattrrlist	F traverse
F setboth	F traverseid

F unsetattribute		F tonumberf	
F upcomingproperties		F tonumberg	
F usedlist		F topicas	
F vianodes		F topoints	
F vianuts		F toscaled	
F visualizebox		F toscaledpoints	
F vpack		F totoves	
D whatsitcodes		F valid	
F write		objects	table
number	table	F dimensions	
F %		F found	
F basepoints		N n	
F bytetodecimal		F page	
F clamp		F reference	
F compactfloat		F register	
F decimaltobyte		F restore	
D dimenfactors		optional	table
F formatted		optionalrequire	function
F formattedfloat		os	table
F formattedinteger		F __getenv__	
F fractiontobyte		F __setenv__	
F idiv		S binsuffix	
N maxdimen		N bits	
F nopts		F clock	
F nubasepoints		F converttime	
F nupoints		F date	
F percent		F difftime	
F points		F enableansi	
F pts		D env	
F signed		F execute	
F sparseexponent		F exit	
F splitdimen		F fulltime	
F to16dot16		F getcodepage	
F tobasepoints		F getenv	
F tobitstring		F getnamevalues	
F tocentimeters		F gettimeofday	
F tociceros		F gettypevalues	
F tocontext		F getunamefields	
F todidots		F isleapyear	
F todimen		F launch	
F toediths		S libsuffix	
F toevenhex		F localtime	
F toinches		S name	
F tomillimeters		S newline	

F nofdays		F pushlibpath	
F now		F pushluapath	
F pipeto		F searchpath	
S platform		pagebuilders	table
F remove		pairs	function
F rename		parametersets	table
F resultof		pcall	function
F runtime		pdf	table
S selfbin		F immediateobj	
S selfcore		pdfdecode	table
S selfdir		pdfe	table
S selflink		F arraytotable	
S selfname		F close	
S selfpath		F closestream	
F serialwrite		F dictionarytotable	
F setenv		F getarray	
F setexitcode		F getboolean	
F setlocale		F getbox	
F sleep		F getcatalog	
F startuptime		F getdictionary	
F time		F getencodingvalues	
F timezone		F getfieldtypes	
F tmpname		F getfromarray	
F today		F getfromdictionary	
S type		F getfromobject	
F uname		F getfromreference	
F uuid		F getfromstream	
F validate		F getinfo	
F weekday		F getinteger	
F where		F getmemoryusage	
F which		F getname	
package	table	F getnofobjects	
S config		F getnofpages	
S cpath		F getnumber	
F extralibpath		F getobjectrange	
F extralibpaths		F getpage	
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F extraluapaths		F getpermissions	
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F gobble		F decode	
F isactivestring		F encode	
F isdefined		F escape	
F istoken		F filename	
F new		F hashed	
F pickup		F hasscheme	
F popmacro		F query	
F pushmacro		F split	
F setinteger		F toquery	
D values		F unescape	
tonumber	function	F unescapepet	
tostring	function	userdata	table
tracers	table	utf	table
F printererror		F byte	
F printwarning		F bytepairs	

F char	F offset	
F characters	utilities	table
F chrlen	vector	table
F count	F add	
F filetype	F append	
F is_valid	F average	
F len	F ceiling	
F length	F checkoverlap	
F lower	F collectoverlap	
F remapper	F concat	
F replacer	F copy	
F split	F crossproduct	
F splitlines	F delete	
F sub	F determinant	
F substituter	F div	
F tocodes	F equal	
F toeight	F exchange	
F toentities	F floor	
F toString	F get	
F totable	F getdimensions	
F upper	F getepsilon	
F ustring	F getmemory	
F utf16_to_utf8_be	F getmesh	
F utf16_to_utf8_be_t	F getmeshtypes	
F utf16_to_utf8_le	F getpointtypes	
F utf16_to_utf8_le_t	F getrc	
F utf16_to_utf8_t	F getrow	
F utf32_to_utf8_be	F getsizes	
F utf32_to_utf8_be_t	F getstacking	
F utf32_to_utf8_le	F gettype	
F utf32_to_utf8_le_t	F homogenize	
F utf32_to_utf8_t	F identity	
F utf8_to_utf16	F inner	
F utf8_to_utf16_be	F insert	
F utf8_to_utf16_le	F inverse	
F utf8_to_utf8_t	F ismesh	
F values	F ispoints	
F xstring	F issingular	
utf8	F isvector	
F char	F iszero	
S charpattern	F meshname	
F codepoint	F mul	
F codes	F negate	
F len	F new	

F normalize
 F onecolumn
 F onerow
 F product
 F remove
 F replace
 F round
 F rowechelon
 F set
 F setepsilon
 F setnext
 F setrc
 F setstacking
 F slice
 F sort
 F sub
 F swap
 F tostring
 F totable
 F transpose
 F triangulate
 F truncate
 F type

visualizers

table

D escapepatterns
 F getspecification
 F getvisualizer
 F load
 F makenested
 F makepattern
 F newgrammar
 F newhandler
 F parsedxml
 F pattern
 F register
 F registerescapecommand
 F registerescapeline
 F registerescapepattern
 S signal
 U signalpattern
 D specifications
 F visualize
 F visualizebuffer
 F visualizefile

F visualizestring
 F write
 F writeargument
 F writedefault
 F writeemptyline
 F writenewline
 F writespace

warn

xcomplex

F I
 F __add
 F __div
 F __eq
 F __mul
 S __name
 F __pow
 F __sub
 F __tostring
 F __unm
 F abs
 F acos
 F acosh
 F arg
 F asin
 F asinh
 F atan
 F atanh
 F conj
 F cos
 F cosh
 F dawson
 F erf
 F erfc
 F erfcx
 F erfi
 F exp
 F i
 F imag
 F log
 F new
 F pow
 F proj
 F real
 F sin

function

table

F sinh		F rotate	
F sqrt		F setprecision	
F tan		F shift	
F tanh		F sqrt	
F topair		F toengstring	
F tostring		F tonumber	
F totable		F tostring	
F voigt		F trim	
F voigt_hwhm		xinterval	table
xdecimal	table	F __add	
F __add		F __div	
F __band		F __eq	
F __bor		F __le	
F __bxor		F __lt	
F __div		F __mod	
F __eq		F __mul	
F __idiv		S __name	
F __le		F __pow	
F __lt		F __sub	
F __mod		F __tostring	
F __mul		F __unm	
S __name		F abs	
F __pow		F acos	
F __shl		F acosh	
F __shr		F asin	
F __sub		F asinh	
F __tostring		F asstring	
F __unm		F atan	
F abs		F atanh	
F band		F cos	
F bor		F cosh	
F bxor		F diameter	
F conj		F equal	
F copy		F erf	
F exp		F erfc	
F getprecision		F exp	
F ln		F exp10	
F log		F exp2	
F max		F expm1	
F min		F greater	
F minus		F greaterequal	
F new		F hull	
F plus		F intersect	
F pow		F less	

F lessequal
F log
F log10
F log1p
F log2
F mid
F mod
F new
F neweps
F pow
F seteq
F setge
F setgt
F settle
F setlt
F sin
F sinh
F sqr
F sqrt
F tan
F tanh
F topair
F toString
F totable
F usedendian
F within

xmath

F acos
F acosh
F asin
F asinh
F atan
F atan2
F atanh
F cbrt
F ceil
F copysign
F cos
F cosh
F crossproduct
F deg
F dotproduct
F erf
F erfc

table

F exp
F exp2
F expm1
F fabs
F fdim
F floor
F fma
F fmax
F fmin
F fmod
F frexp
F gamma
F hypot
N inf
F isfinite
F isinf
F isnan
F isnormal
F j0
F j1
F jn
F ldexp
F lgamma
F log
F log10
F log1p
F log2
F logb
F modf
N nan
F nearbyint
F nextafter
F normalize
N pi
F pow
F rad
F remainder
F remquo
F round
F scalbn
F sin
F sinh
F sqrt
F tan

F tanh	F elements
F tgamma	F elementtocdata
F trunc	F empty
F y0	D entities
F y1	F erase
F yn	F errorhandler
xml	F escaped
	F expand
F addentitiesdoctype	F fillin
F addspecialcode	F filter
F after	F first
F all	F found
F applylpath	F getbuffer
F applyselector	F gethandlers
F assign	F gethandlersfunction
F attribute	F include
F badinclusions	F inclusion
F before	F inclusions
F body	F index
F cdata	F inheritattributes
F cdatatotext	F inheritedconvert
F checkbom	F inject
F checkedempty	F inject_element
F checkerror	F inject_element_after
F checknamespace	F inject_element_before
F checkns	F injectafter
F cleansed	F injectbefore
F collect	F insert
F collect_elements	F insert_element
F collect_tags	F insert_element_after
F collect_texts	F insert_element_before
F collected	F insertafter
F collecttexts	F insertbefore
F compactelement	F insertcdata
F content	F insertcomment
F convert	F inspect
F copy	F is_valid
F count	F kind
F cprint	F last
S defaultprotocol	F lastmatch
F delete	F load
F delete_element	F lpath
F despecialized	F lpathcached
F each	F lpathcalls
F each_element	
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F lshow	F setcomment	
F makestandalone	F sethandlersfunction	
F match	F setinjectors	
F name	F setproperty	
F newhandlers	F settings	
F nodesettostring	D specialcodes	
F originalload	F sprint	
F package	F string	
F parent	F strip	
U parsedentitylpeg	F strip_whitespace	
F popmatch	F stripelement	
F position	F stripleadingspaces	
D privatecodes	F table	
F privatetoken	F text	
F process	F textonly	
F process_attributes	F texttocdata	
F process_elements	F tocdata	
F processattributes	F toelement	
F pure	F tostring	
F pushmatch	F totable	
F raw	F toxml	
F registerentity	F tprint	
F registers	F traverse	
F reindex	F unescaped	
F remap_name	U unescapedentitylpeg	
F remap_namespace	F unprivatized	
F remap_tag	F unspecialized	
F remapname	F wipe	
F remapnamespace	F withelement	
F remaptag	F withelements	
F rename	F wrap	
F renamespace	xpcall	function
U reparsedentitylpeg	xzip	table
F replace	F adler32	
F replace_element	F compress	
F resetinjectors	F compresssize	
F resolvens	F crc32	
F root	F decompress	
F save	F decompresssize	
F selection	zbuffer	table
F separate	F bounds	
F serialize	F composite	
F serializetotext	F crop	
F setcdata	F edgepoint	

F flatten	F stipple_0	
F get	F stipple_1	
F getcolor	F stipple_2	
F getconstants	F stipple_3	
F getdepth	F stipple_4	
F getnormal	F stipple_setup	
F getnormalmodes	F tobytes	
F getopacity	F tostring	
F getsize	F totable	
F implicit	F transform	
F iszbuffer	F trianglebounds	
F meshmesh	F triangled	
F new	F triangles	
F points	F type	
F process	zip	table
F project	F closearchive	
F resolve	F openarchive	
F set	zlib	table
F setcolor	F adler32	
F setdepth	F compress	
F setnormal	F compresssize	
F setopacity	F crc32	
F setup	F decompress	
F smoothen	F decompresssize	

globals (context)

CONTEXT	number
LMTXMODE	number
LUAFORMAT	number
LUAMAJORVERSION	number
LUAMINORVERSION	number
LUATEXENGINE	string
LUATEXFORMATID	number
LUATEXFUNCTIONALITY	number
LUATEXVERBOSE	string
LUATEXVERSION	number
LUAVERSION	number
MP	function
SAVEDREQUIRE	function
aes	table
F decode	
F encode	
F random	
arg	table
assert	function
attributes	table
F applyoverloads	
F checkvalues	
D counts	
F define	
F getvalue	
F getvalues	
F hasvalues	
D list	
F markasoverload	
D names	
D numbers	
F ofnode	
F private	
F public	
F registervalue	
F restore	
F save	
F setcleaner	
F showcurren	
F system	
F tooverloads	
N unsetvalue	

D values	
backends	table
F closeout	
S current	
F getcallbackstate	
F initialize	
F latelua	
F nothing	
F openout	
F setencryption	
F writeout	
basexx	table
F decode16	
F decode64	
F decode85	
F decodeLZW	
F decodeRL	
F encode16	
F encode64	
F encode85	
F encodeLZW	
F encodeRL	
bibtex	table
bit32	table
F arshift	
F band	
F bnot	
F bor	
F btest	
F bxor	
F extract	
F lrotate	
F lshift	
F replace	
F rrotate	
F rshift	
bitset	table
F assign	
F asstring	
F band	
F bnot	

F bor		F gettex	
F bxor		F loadcontent	
F get		F prepend	
F len		F raw	
F new		F run	
F newonebased		F samplefile	
F newzerobased		F splitsamplefile	
F reset		F undent	
F set		builders	table
F shl		F checkparcontext	
F shr		F checksidefloat	
F tostring		F parpassidentifier	
F totable		D passnames	
F traverse		F registerpasspasscallback	
F wipe		bytemap	table
blobs	table	F bounds	
F append		F clip	
F dimensions		F copy	
F dispose		F dimensions	
F new		F domain	
F pack		F downgrade	
F strdp		F downsample	
F strhd		F fillgray	
F strht		F fillrgb	
F strwd		F filter	
F tohpack		F getbyte	
F tonodes		F getbytes	
F tovpack		F getluminance	
F write		F getvalue	
boolean	table	F hasbytegray	
F tocontext		F hasbyterange	
F tonumber		F hasbytergb	
buffers	table	F new	
F append		F newdomain	
F assign		F overlay	
F collectcontent		F process	
F empty		F reduce	
F erase		F reset	
F exists		F setgray	
F get		F setgrayadd	
F getcontent		F setgraymin	
F getctxlua		F setrgb	
F getlines		F slicegray	
F getmkvi		F slicerange	

F slicergb		F pop	
F totable		F push	
caches	table	F register	
S base		F report	
F collapsecontent		catcodes	table
F configfiles		D names	
F contentstate		D numbers	
F getfirstreadablefile		F register	
F getreadablepaths		characterkern	function
F getwritablepath		characters	table
F hashed		F addcharacternames	
F is_writable		F adobename	
F loadcontent		D bidi	
F loaddata		F blockrange	
S more		D blocks	
F savecontent		D can_have_space	
F savedata		D categories	
F setfirstwritablefile		F category	
F setluanames		D categorytags	
F treehash		D collapsed	
F usedpaths		D combined	
callback	table	F contextname	
F find		D csletters	
F getcontracts		D data	
F getcontractvalues		D decomposed	
F getindex		F description	
F getoptions		D descriptions	
F getoptionvalues		D detailtags	
F getstate		F emojiized	
F getstatevalues		D encodes	
F known		D entities	
F list		D fallbacks	
F names		D filters	
F register		F fromnumber	
F setoptions		D fschars	
F setstate		D fscodes	
F testonly		F getrange	
F usage		D graphemes	
callbacks	table	D hangul	
F freeze		F initialize	
F getcomment		D is_character	
F getstates		D is_command	
F known		D is_hyphenator	
F optimizer		D is_letter	

D is_mark		S method	
D is_nothing		F molecule	
D is_punctuation		U moleculeparser	
D is_spacing		F start	
D is_symbol		F stop	
D lcchars		F undefine	
F lccode		collectgarbage	function
D lccodes		commands	table
F lettered		F Alphabetic	
D lhash		F MPLIBconvertfollowtext	
D linebreaks		F MPLIBconvertoutlinetext	
F lower		F MPc	
D mathlists		F MPd	
D otfscripts		F MPfromhash	
D ranges		F MPH	
F registerentities		F MPLl	
F remap_hangul_syllabe		F MPLr	
F setactivecatcodes		F MPLs	
F setlettercatcodes		F MPn	
F setothercatcodes		F MPp	
F shape		F MPpardata	
F shaped		F MPplus	
D shash		F MPpos	
D shchars		F MPr	
D shcodes		F MPrest	
F showstring		F MPrs	
D specialchars		F MPul	
D specials		F MPur	
D synonyms		F MPw	
F tonumber		F MPwhd	
D ucchars		F MPx	
F uccode		F MPxy	
D uccodes		F MPxywhd	
D uhash		F MPy	
F unicodechar		F Romannumerals	
F upper		F actualday	
D verbosemarks		F actualmonth	
chemistry	table	F actualyear	
F component		F adaptfontfeature	
F define		F adaptivecheckbox	
D definitions		F addbtentry	
S format		F addcounter	
F inlinechemical		F adddefaultsuffix	
S instance		F addfeature	

F addfontpath	F autostoptext
F addgrapheme	F badnessmodecodestring
F addlinenumbers	F balanceshapeextra
F addlinklistelement	F benchmarktimer
F addreplacements	F bf
F addreplacementslist	F bi
F addrivers	F bitmapimage
F addtocolumnset	F bitwise
F addtocolumnsetmvl	F bitwiseand
F addtojavascriptpreamble	F bitwiseflip
F addtolist	F bitwiseneil
F align_point_delta	F bitwiseneil
F allinputpaths	F bitwiseor
F alphabetic	F bitwiseset
F analysefloatmethod	F bitwiseshift
F analyzeitemgroup	F bitwisexor
F analyzelist	F blockcolumnset
F analyzelocalanchors	F blockligatures
F analyzeregister	F boolcase
F analyzerotate	F boxdir
F analyzeupcomingitemgroup	F boxline
F applypattern	F boxlinedp
F applytobox	F boxlineht
F applytofirstcharacter	F boxlineil
F arraycompare	F boxlinein
F arrayequals	F boxlineir
F arraymaxvalue	F boxlinelh
F arrayminvalue	F boxlinelp
F arraysizes	F boxlinels
F arrayvalue	F boxlinemaxdp
F ascender	F boxlinemaxht
F askedreference	F boxlinemaxwd
F assignbuffer	F boxlinend
F async	F boxlinenh
F attachinsertion	F boxlinew
F attachinsertions	F boxlinerh
F atwordboundary	F boxlinerp
F autofinishstructurelevels	F boxliners
F autoinsertnextspace	F boxlines
F automigrationcodestring	F boxlinewd
F autonextstructurelevel	F boxoptioncodestring
F autorule	F boxrangedp
F autosetups	F boxrangeht
F autostarttext	F boxrangewd

F boxtostring	F btxloadjournallist
F bposcolumn	F btxloadreplacementfile
F bposcolumnregistered	F btxmissing
F bs	F btxoneorrange
F btxabbreviatedjournal	F btxpreparelistentries
F btxaddentry	F btxremapauthor
F btxaddjournal	F btxsavedataset
F btxauthor	F btxsavejournallist
F btxauthorfield	F btxsetdataset
F btxauthortoregister	F btxsetentry
F btxcmdstring	F btxsetregister
F btxcollectlistentries	F btxsetspecification
F btxcurrentfirstnames	F btxshortcut
F btxcurrentinitials	F btxshowauthorremapping
F btxcurrentjuniors	F btxsingularorplural
F btxcurrentsurnames	F btxtoregister
F btxcurrentvons	F btxusedataset
F btxdetail	F btxuservariable
F btxdirect	F build_page_after_shipout
F btxdoif	F build_page_before_shipout
F btxdoifelse	F build_page_setup
F btxdoifelsecitedone	F capheight
F btxdoifelsecombiinlist	F charactercontrolcodestring
F btxdoifelsematches	F chardescription
F btxdoifelsesameasprevious	F checkcolumnset
F btxdoifelseuservariable	F checkcolumnsetmvl
F btxdoifnot	F checkcountersetup
F btxentrytobuffer	F checkedconversion
F btxentrytostring	F checkedemoji
F btxexpandedjournal	F checkedpagefloat
F btxfetchlistentries	F checkinjector
F btxfield	F checkinterfacechain
F btxfirstofrange	F checkmarkedpages
F btxflush	F checknesting
F btxflushlistcombi	F checkspacingavailable
F btxflushlistentry	F checkstrutdepth
F btxflushlisttag	F chemicalcomponent
F btxflushmarked	F chinesenumerals
F btxflushpages	F chr
F btxhandlecite	F classoptioncodestring
F btxhandlenocite	F cleancolumnset
F btxlastofrange	F cleanfontname
F btxlistvariant	F cleanupattributes
F btxloaddefinitionfile	F cleanupbox

F cleanupplayers	F component
F clonefield	F concatcommalist
F closein	F consultfloat
F closeout	F continueifinputfile
F codedef	F convertbtxdatasettoxml
F collectedmath	F converteddimen
F collectfloat	F convertmpstopdf
F collecthelp	F copyboxfromcache
F columnsetbalancefirst	F copyboxline
F columnsetbalancelast	F copyposition
F columnsetbalancepage	F cos
F columnsetcolumnwidth	F cosd
F columnsetdisablewide	F ctxfunction
F columnsetenablewide	F ctxluamatch
F columnsetgoto	F ctxluamatchfile
F columnsethascontent	F ctxresetter
F columnsethspan	F ctxscanner
F columnsetlastfuture	F currentcomponent
F columnsetlastmvl	F currentdate
F columnsetlimit	F currentdesignsize
F columnsetnoto	F currentenvironment
F columnsetresetdirect	F currentfontinstancespec
F columnsetresetshapeextra	F currentposthyphenchar
F columnsetreshape	F currentprehyphenchar
F columnsetsblockrows	F currentproduct
F columnsetsetshapeextra	F currentproject
F columnsetshape	F currentsectiontolist
F columnsetshapebalancecheck	F datasetsize
F columnsetshapebalanceextend	F datasetvariable
F columnsetshapecolumn	F day
F columnsetshapecount	F daymnem
F columnsetshapeindex	F dayname
F columnsetshapepage	F decimals
F columnsetshapresetbalancerange	F decrementcounter
F columnsetshapslots	F decrementsubcounter
F columnsetshapspread	F deferredenhancelist
F columnsetshapepsize	F deferredenhancereference
F columnsetshapeworst	F deferredenhanceregister
F columnsetshowgrid	F defineaccents
F columnsetshowshape	F defineattribute
F columnsetshowtracedgrid	F defineboundary
F columnsetstate	F definebreakpoint
F columnsetstatus	F definebreakpoints
F combineglyphs	F definecharacterspacing

F definechemical	F definetransparencyglobal
F definecolumnset	F definetypeface
F defineconversion	F defineviewerlayer
F definecounter	F delayedcolumnsetsheet
F definedlayoutcomponent	F depthnumber
F definefallbackfamily	F depthofstring
F definefield	F descender
F definefieldset	F detachinsertions
F definefilefallback	F diagnostic
F definefilesynonym	F digits_normal
F definefont_one	F digits_reverse
F definefont_two	F directboxfromcache
F definefontcolorpalette	F disableautofontscript
F definefontfamily	F disablecollectingmath
F definefontfamilypreset	F disabledirectives
F definefontfeature	F disableexperiments
F definefontscriptset	F disablejobsave
F definefontsolution	F disableparbuilder
F definehyphenationfeatures	F disableregime
F defineinsertion	F disablespellchecking
F defineintermediatecolor	F disablestream
F definelabcolorglobal	F disabletrackers
F definelabcolorlocal	F discardfromlist
F definelabels	F discptioncodestring
F definelanguage	F disposeboxesincache
F definelinkedlist	F disposeluatable
F definemathpreset	F doanalyzeframedbox
F definemultitonecolorglobal	F doif
F definenamespace	F doifcounter
F definenote	F doifelse
F defineparallel	F doifelseblack
F defineparbuilder	F doifelseboxincache
F defineprocesscolordummy	F doifelsebuffer
F defineprocesscolorglobal	F doifelsebufferempty
F defineprocesscolorlocal	F doifelsecharinfont
F defineprogram	F doifelseconverter
F definereference	F doifelsecounter
F defineregister	F doifelsecounteractive
F definesectionlevels	F doifelsecurrentfonthasfeature
F definespotcolorglobal	F doifelsedimenstring
F definestructureblock	F doifelsedrawingblack
F definestructureset	F doifelsefieldcategory
F definesubcolumnset	F doifelsefieldset
F definetransparency	F doifelsefiledefined

F doifelsefileexist
F doifelsefirstchar
F doifelsefirstsectionpage
F doifelsefontfeature
F doifelsefontpresent
F doifelseindented
F doifelseinelement
F doifelseinputfile
F doifelseleapyear
F doifselisthasentry
F doifselisthasnumber
F doifselisthaspage
F doifselisthastitle
F doifelsemarkedcontent
F doifelsemarkedpage
F doifelsemessage
F doifelsenoteonsamepage
F doifelseobjectfound
F doifelseobjectreferencefound
F doifelseolderversion
F doifelseoverlapping
F doifelseparallel
F doifelseparentfile
F doifelsepathexist
F doifelsependingpagecontent
F doifelseposition
F doifelsepositiononpage
F doifelsepositionsonsamepage
F doifelsepositionsonthispage
F doifelsepositionsused
F doifelserangeonpage
F doifelsereference
F doifelsereferencechecked
F doifelsereferenced
F doifelserighttoleftinbox
F doifelsesame
F doifelsesomething
F doifelsespaces
F doifelsestackedfloats
F doifelsestructureblockempty
F doifelsesynonymshown
F doifelsesynonymused
F doifelsetaggednoteonsamepage
F doifelseurldefined

F doifelseutfmathaccent
F doifelseutfmathfiller
F doifelseutfmathlimop
F doifelsevalidhashedfiles
F doifelsevisualizer
F doifmarkedpage
F doifnot
F doifnotcounter
F doifnotecontent
F doifnotsame
F doifnothing
F doifposition
F doifsame
F doifsomething
F doifunknownfontfeature
F domainattribute
F doreshapeframedbox
F doresyncframedbox
F dosaveposition
F dosavepositionplus
F dosavepositionwhd
F dosetposition
F dosetpositionbox
F dosetpositionplus
F dosetpositionstrut
F dosetpositionstrutkind
F dosetpositionwhd
F dostarttextfile
F dostoptextfile
F doublescriptmodecodestring
F droptablegroup
F elapsedsteptime
F elapsedtime
F embedimagefromstore
F enablealignmentcharacter
F enablealignskips
F enableasciimode
F enableautofences
F enableautofontscript
F enablebackgroundalign
F enablebackgroundboxes
F enablecollectingmath
F enablecolor
F enablecolorintents

F enablecrlf	F figure_flush_registered_pages
F enabledirectives	F figure_mergegoodies
F enabledriver	F figure_nof_registered_pages
F enableexperiments	F figure_register_page
F enablefontcolorsschemes	F figuresetdimensions
F enablehidecontent	F filebasename
F enablemathalignrelocate	F filedirname
F enablematrixornaments	F filenameonly
F enablematrixrules	F filesuffix
F enableparbuilder	F filterdefaultreference
F enableregime	F filterreference
F enablescriptunstacking	F finalizeobjectbox
F enablesidefloatchecker	F finalizeshipoutbox
F enablespellchecking	F findregisterinternal
F enablestacking	F finishcolumnsetflush
F enablestream	F finishexport
F enableswapping	F firstinset
F enabletighten	F firstsectionpage
F enabletrackers	F firstsubcountervalue
F enabletransparency	F flagcodestring
F enableutf	F flushcolumnsetareas
F enhancelinkedlist	F flushcolumnsetcolumn
F enhancelist	F flushfloat
F enhanceregister	F flushlabeledfloat
F enhancesynonym	F flushnoterange
F environment	F flushnotes
F eposcolumn	F flushpageblocks
F eposcolumnregistered	F flushpageinjectionsafter
F erasebuffer	F flushpageinjectionsbefore
F execute	F flushpostponedblocks
F exportbox	F flushpostponednotes
F exportformdata	F flushstream
F exportreferences	F flushstreamcopy
F expression	F fontchar
F extendregister	F fontcharbyindex
F extendregisterlate	F fontcollectionclone
F extensiblecode	F fontcollectiondefine
F fakeword	F fontcollectionprepare
F featureattribute	F fontcollectionregister
F feedback	F fontcollectionreport
F fetchlanguagetext	F fontcollectionreset
F fetchmultipar	F fontlookupgetkey
F fetchposboxes	F fontlookupgetkeyofindex
F fetchterminaldata	F fontlookupinitialize

F fontlookupnoffound
F forceendjob
F forcepageflush
F forcequitjob
F forcestrutdepth
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F formatcolor
F formatgray
F formatluminance
F formatluminanceratio
F formatone
F framedoutline
F from
F frozenparcodestring
F frule
F getMPdata
F getbidimode
F getbodyfontsizes
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F getboxdpfromcache
F getboxfromcache
F getboxhtdpfromcache
F getboxhtfromcache
F getboxwdfromcache
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F getbuffertext
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F getclubpenalties
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F getcurrentreferencelabel
F getcurrentreferencemetadata
F getdefaultfieldvalue
F getdisplaywidowpenalties
F getdocumentargument
F getdocumentfilename
F getfieldcategory
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F getfirstcharacter
F getfloatvariable
F getfromluatable
F getfullstructurenumber

F getinterlinepenalties
F getinternalcachedlistreference
F getinternallistreference
F getinternalorderreference
F getmathblobindex
F getmathblobmapping
F getmathcharone
F getmathchartwo
F getmathmathblob
F getmathtextblob
F getmathvariant
F getmessage
F getmpextensions
F getnaturaldimensions
F getnaturalwd
F getnofpreviouslines
F getnotestate
F getnotestorecount
F getnotestoreflushed
F getobjectdimensions
F getobjectreference
F getobjectreferencepage
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F getparwrapper
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F getprivatemathchar
F getprivateslot
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F getspecificstructuretitle
F getstructurelevel
F getstructurenumber
F getsubstring

F getsynchronizemarking
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F getwidowpenalties
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F globalpushmacro
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F glyphoptioncodestring
F gobblenested
F gotocolumnsetslot
F grabbuffer
F groupcodestring
F groupsetgroup
F grph_nodes_initialize
F grph_nodes_register
F grph_nodes_reset
F grph_nodes_resolve
F handlemathhang
F hboxtovbox
F heightofstring
F helpaction
F helpreference
F hour
F hpackbox
F hpackedbox
F hsplitt
F hyphenateddigits
F hyphenatedlist
F hyphenationcodestring
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F idxfromluatable
F if_common
F ifallmodes
F ifbitwiseand
F ifblobindexdone
F ifboxhaslist
F ifcommon
F ifeof
F ifgluelineinbox
F ifinset
F iflua
F ifmode
F ifmodes
F ifmvl

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F ifsetups
F ifsystemmode
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F ifxmlattempty
F ifxmlempty
F ifxmlselfempty
F ifxmltext
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F ignoretagsinexport
F immediatemessage
F includesvgbuffer
F includesvgfile
F incrementcounter
F incrementsubcounter
F inhibitprimitive
F initializeexport
F initializejob
F initializemathcollapsing
F initializemathfencing
F initializemathitalics
F initializemathkernpairs
F initializemathnumbers
F initializemathspacing
F initializestream
F initializetexdirectives
F initializetexexperiments
F initializetextrackers
F injectcurrentreference
F injectcurrentreferencehtdp
F injectdisable
F injectnowhite
F injectreference
F injectvpenalty
F injectvskip
F injectvspacing
F injectzerobaselineskip
F inlinechemical
F inputfilebarename
F inputfilename
F inputfilerealsuffix
F inputfilesuffix

F insertattachment	F lchexnumbers
F insertcategorycodestring	F leapyear
F insertcomment	F limited
F insertfield	F linebuffering
F insertionnumber	F linedir
F insertoptioncodestring	F lineprofilebox
F insertrenderingwindow	F linesegment
F inspectluatable	F listanchorcodestring
F installedlanguages	F listbookmark
F installtexdirective	F listexternal
F installtexexperiment	F listgroupindex
F installtextracker	F listlabel
F interceptsamepagecontent	F listlocation
F it	F listnamespaces
F jobfilefullname	F listprefixednumber
F jobfilename	F listprefixedpage
F jobfilesuffix	F listrawnumber
F jobposd	F listrawrealpage
F jobposh	F listrawuserpage
F jobposp	F listsigncodestring
F jobposw	F listsize
F jobposx	F listtitle
F jobposy	F listuserdata
F languagecharwidth	F lmt_parameters_define
F languagenumber	F lmt_parameters_preset
F lastblobindex	F lmt_parameters_reset
F lastnodeequals	F loadcldfile
F lastnodeid	F loadcldfileonce
F lastnodeidstring	F loadexamodes
F lastnodesubtypestring	F loadfontgoodies
F lastparwrapper	F loadlibrary
F lastrpos	F loadluafile
F lastsavedboxresourceindex	F loadluafileonce
F lastsavedimageresourceindex	F loadluamodule
F lastsavedimageresourcepages	F loadmapfile
F lastsectionpage	F loadmapline
F lastsubcountervalue	F loadspellchecklist
F lastunitstring	F loadtexfile
F lastxpos	F loadtexfileonce
F lastypos	F loadtypescriptfile
F lateindent	F loadvisualizer
F latelua	F loadxmlfile
F lateundent	F loadxmlfileonce
F lchexnumber	F localanchorx

F localanchory	F markpage
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F localboxindex	F markregionboxcorrected
F localboxlefthang	F markregionboxtagged
F localboxleftoffset	F markregionboxtaggedkind
F localboxleftskip	F markregionboxtaggedn
F localboxlinenumber	F markvisualfonts
F localboxlinewidth	F mathclassvalue
F localboxlocalwidth	F mathcontrolcodestring
F localboxmarkonce	F mathhorizontalcode
F localboxovershoot	F mathoptioncodestring
F localboxparfillleftskip	F mathrenderset
F localboxparfillrightskip	F mathstrutcode
F localboxparinitleftskip	F mathvariantcode
F localboxparinitrightskip	F mathvariantcount
F localboxprogress	F mathvariantslot
F localboxrighthang	F maxbufferwidth
F localboxrightoffset	F message
F localboxrightskip	F metapostescaped
F localpopmacro	F metapostformatted
F localpushmacro	F metapostgraphformat
F locatefilepath	F minute
F loopcs	F mixcleanup
F loopcsn	F mixfinalize
F lousiness	F mixflushlist
F luacardinal	F mixflushrest
F luacount	F mixgetsplit
F luadimen	F mixsetsplit
F luaexpression	F mixstate
F luafloat	F modecodestring
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F luanumber	F month
F luarandom	F monthnmn
F luascript	F monthname
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F lxmlid	F mpcolor
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F markblobindexdone	F mpgettext
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F markedpageparameter	F mpgraphictexttoks
F markedpages	F mpoptions
F markingnumber	F mpoutlinetoks
F markingtitle	F mppopvariables
F markinjector	F mppushvariables

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F mpruntab	F ntb_split_section_fetch
F mprunvar	F ntb_split_section_locate
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F mpsetsxxy	F number
F mpsettext	F numbers
F mptexget	F objectreference
F mptexreset	F objectreferencepage
F mptexset	F octnumber
F mptexsetfrombuffer	F openin
F mptexttoks	F openout
F mvloptioncodestring	F operatingsystem
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F namedstructurevariable	F outputfilename
F naturalwd	F overloadbookmark
F negatedcolorcomponent	F overloadlowercase
F newarray	F overloadsattribute
F newhashedtable	F overloaduppercase
F newindexedtable	F pageblockrealpage
F newluatable	F pageofinternal
F newparwrapper	F pageoverflow
F newrepeatablerandom	F pagestaterealpage
F newstacking	F pagestaterealpageorder
F nextparallel	F paragraphfillmodecodestring
F nextsubcountervalue	F paragraphoptioncodestring
F nodimen	F parcontextcodestring
F nofbufferlines	F pardir
F nofconversions	F parpasscallback
F nofdays	F parpassidentifier
F nofdetachedinsertions	F parpos
F noflinesinbox	F partriggercodestring
F nofmathvariants	F pdfbackendcurrentresources
F nofstackedfloats	F pdfbackendsetcatalog
F nologbuffering	F pdfbackendsetcolorspace
F normalizecodestring	F pdfbackendsettextgstate
F normalizedbodyfontsize	F pdfbackendsetinfo
F normalizeparcodestring	F pdfbackendsetname
F nospacesmodecodestring	F pdfbackendsetpageattribute
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F noteinternal	F pdfbackendsetpagesattribute
F notelistindex	F pdfbackendsetpattern
F noteprefixednumber	F pdfbackendsetshade
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F pdfextension	F popparagraphtweak
F pdffeedback	F poppath
F pdflastobj	F poprandomseed
F pdfliteral	F popreferenceprefix
F pdfobj	F popregime
F pdfrefobj	F poprunstate
F pdfsetuserdata	F popsectionblock
F pdfvariable	F positunum
F percentageof	F positunumdef
F pfabs	F postlistbox
F pfacos	F postlistcopy
F pfacosh	F postponeotes
F pfasin	F prefixedconverted
F pfasinh	F prelistbox
F pfatan	F prelistcopy
F pfatanh	F preparecolumnsetflush
F pfatantwo	F prerolledpages
F pfceil	F presetcolumnsetsheets
F pfcos	F presetcolumnsetspreadsheets
F pfcosh	F presetmathematics
F pfdeg	F presetmathfontalternate
F pfexp	F presetsymbollist
F pffloor	F previoussubcountervalue
F pflog	F privatecharacter
F pfmod	F privatecharactercode
F pfpow	F processbodyfontsizes
F pfrad	F processbuffer
F pfrem	F processcollectedmath
F pfround	F processedfile
F pfsin	F processedfiles
F pfsinh	F processfile
F pfsqrt	F processfilemany
F pftan	F processfilenone
F pftanh	F processfileonce
F pgfxcolorspec	F processjob
F pickupbuffer	F processlist
F pickupmarkedcontent	F processregister
F pickuppunctuation	F processsplit
F placeparallel	F processsynonyms
F popfloat	F product
F pophyphenation	F profilebox
F poplist	F profilemacro
F poplocalanchors	F project
F poplogfile	F pruneboxesincache

F purefontname	F registercolumnsetarea
F pushfloat	F registercolumnsetsheet
F pushhyphenation	F registercolumnsetspreadsheets
F pushlist	F registerengineclass
F pushlocalanchors	F registerfallbackfont
F pushlogfile	F registerfiguremask
F pushparagraphtweak	F registerfigurepattern
F pushpath	F registerfigurerange
F pushrandomseed	F registerfiguresuffix
F pushreferenceprefix	F registerfilescheme
F pushregime	F registerfontalternative
F pushrunstate	F registerfontfamily
F pushsectionblock	F registerforcedbreak
F pushstream	F registergroupset
F putboxincache	F registerhashedfiles
F putincolumnset	F registerhelp
F putincolumnsetdirect	F registerhyphenationexception
F putnextboxincache	F registerhyphenationpattern
F qrcodebuffer	F registeritemgroup
F qrcodestring	F registerlabel
F rawMPdata	F registerlanguagefeatures
F rawcharacter	F registerlinenumbering
F rawsetupstring	F registermaintextcolor
F rawsubcountervalue	F registermpextensible
F read	F registernamedlua
F readfromterminal	F registernamespace
F readline	F registerobject
F readlinedirect	F registerpattern
F recolorbox	F registerpostponedblock
F referencecolumn	F registerreferencedobject
F referencepagedetail	F registerrendering
F referencepagestate	F registersection
F referenceposx	F registershownsynonym
F referenceposy	F registersnaprange
F referencerealpage	F registerstructureprocessor
F registeranchorbox	F registersynchronize
F registerattachment	F registersynonym
F registerbackendsymbol	F registertransliteration
F registerbackground	F registerunit
F registerbodyfontsize	F registerunitshortcut
F registerbookmark	F registerunknownbodysize
F registerboxglyph	F registerusedsynonym
F registerbuttons	F registeruserdata
F registercolorintent	F registerverbosemathlabel

F removelastline	F reuserandomseed
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F reorderfloats	F revivefeature
F replacefeature	F rightmathkern
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F replacewildcard	F rotateparshape
F reportstructure	F rounded
F resavefloat	F roundedfill
F reservedautoregiontag	F roundedoutline
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F resetalternate	F ruleoptioncodestring
F resetbackgroundrowdata	F runcontextjob
F resetboxesincache	F safechar
F resetcharacteralign	F samplefile
F resetcolumnset	F saveboxresource
F resetcomparingtext	F savebuffer
F resetcounter	F savecounter
F reseteffect	F savecurrentattributes
F resetfeature	F savecurrentvalue
F resetfontfeature	F savedlistnumber
F resetfontsolution	F savedlistprefixednumber
F resetforcedbreak	F savedlisttitle
F resetinjector	F savefloat
F resetlogfile	F saveimageresource
F resetmapfiles	F savemargindata
F resetmathattributes	F savenote
F resetnullfont	F savepagedata
F resetparallel	F savepageinjections
F resetpath	F saveparallel
F resetreference	F savepos
F resetscript	F savespecificfloat
F resetstructureprocessor	F savestructureblock
F resetsubcounter	F scangivendimensions
F resetsynchronizemarking	F scriptsmodecodestring
F resetsynonyms	F second
F resettimer	F selectstructureblock
F resettrackers	F set_extensible_data
F resolvedemoji	F setadaptive
F restartcounter	F setalternate
F restartsubcounter	F setautoprefix
F restorecounter	F setbackgroundrowdata
F restorecurrentattributes	F setboxglyph
F restorenote	F setboxline
F restoreobject	F setbreakpoints

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F setcharactercleaning	F sethsizecolumnspan
F setcharacterkerning	F sethyphenatedurlcharacters
F setcharacterspacing	F sethyphenationfeatures
F setcharacterstripping	F sethyphenationmethod
F setcloseddocumentaction	F setidentityvariable
F setclosepageaction	F setinitial
F setcolormodel	F setinitialsectionblock
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F setcolumnsetlines	F setinsertionlocation
F setcolumnsetmvl	F setinsertmigration
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F setcolumnsetstart	F setinterfacemessage
F setcomparetext	F setinterfacemessages
F setcomparingtext	F setinterfacevariable
F setcounter	F setinternalreference
F setdataset	F setitaliccorrection
F setdestinationattribute	F setjavascriptpreamble
F setdigitsmanipulation	F setjobcomment
F setdirection	F setlanguageexceptions
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F setdocumentcommandline	F setlanguagepatterns
F setdocumentctxfile	F setlanguagesynonym
F setdocumentdefaultargument	F setlinefiller
F setdocumentenvironments	F setlineprofile
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F setdocumentfilenames	F setlocalmarkanchor
F setdocumentmodes	F setlocalsyncanchor
F setdocumentmodules	F setluatable
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F setfontsolution	F setnextreferenceorder

F setnotestate	F settagdelimitedsymbol
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F setprofile	F settagnotationsymbol
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F setreferencelinkmethod	F settagregister
F setregionbox	F settagsetreferencedescription
F setregionboxtagged	F settagsorting
F setregistermethod	F settagssentencesymbol
F setreplacements	F settagssynonym
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F setrule	F settagtabulatecell
F setscript	F settransliteration
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F setsectionentry	F setupcanvas
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F setshift	F setupcomparingtext
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F setstructureblockstate	F setupinsertion
F setstructurelevel	F setuplinenumbering
F setstructurenumber	F setupsynctex
F setsubcounter	F setupusermetadata
F settagcodepoint	F setupviewerlayer
F settagcombination	F setvisual
F settagcombinationpair	F setvisualfont
F settagconstruct	F setvisuallayer

F setvisuals
F setvsizecolumnset
F setxmpfile
F shiftmatrixornaments
F shiftparshape
F shipoutpage
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F showassignerror
F showattributes
F showbits
F showboxinbuffer
F showbtxdatasetauthors
F showbtxdatasetcompleteness
F showbtxdatasetfields
F showbtxentry
F showbtxfields
F showbtxhashedauthors
F showbtxtables
F showbtxvariants
F showchardata
F showcounter
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F showdiscretionaries
F showexperiments
F showfontparameters
F showhyphenatedinlist
F showhyphenationtrace
F showinjector
F showjustification
F showlogcategories
F showluatables
F showluatokens
F showmacrostack
F showmessage
F showpagelist
F showparagraphshape
F showprofiledmacros
F showstructure
F showtrackers
F silliness
F simplealign
F simplecases
F simplematrix
F sin

F sind
F sl
F spaceddigits
F spacefactorcodestring
F spaceskipcodestring
F special
F specificationoptioncodestring
F specifiedfont
F specifiedfontsize
F specifiedfontspec
F splitfilename
F splitsamplefile
F spotcolorname
F spotcolorparent
F spotcolorvalue
F squid_check
F startactualtext
F startalternativetext
F startchemical
F startclipping
F startcollectingmath
F startcolorset
F startcomponent
F startenvironment
F startfontsolution
F startgraphicgroup
F startlocalcomponent
F startmarkpages
F startmatrix
F startmirroring
F startpageblock
F startparbuilder
F startprerollpageblock
F startproduct
F startproject
F startregime
F startrotation
F startruby
F startscaling
F startsectionlevel
F startstream
F starttext
F startviewerlayer
F step

F stopactualtext	F stripinserts
F stopalternativetext	F structureautocatcodedget
F stopchemical	F structureblockuservariable
F stopclipping	F structurecatcodedget
F stopcollectingmath	F structuregivencatcodedget
F stopcolorset	F structurenumber
F stopcomponent	F structuretitle
F stopenvironment	F structureuservariable
F stopfontsolution	F structurevariable
F stopgraphicgroup	F subcountervalue
F stoplocalcomponent	F subsubcountervalues
F stopmarkpages	F subtocolumnsetmvl
F stopmatrix	F subtocolumnsetmvlbalance
F stopmirroring	F subtractfeature
F stoppageblock	F svghashed
F stopparbuilder	F sync
F stopprerollpageblock	F synccolor
F stopproduct	F synccolorclone
F stopproject	F synccolorcount
F stopregime	F synchronizelocalanchors
F stoprotation	F synchronizemarking
F stopscaling	F synchronizesteps
F stopsectionlevel	F synchronizestream
F stopstream	F syntexblockfilename
F stoptext	F syntexdisable
F stopviewerlayer	F syntexpause
F storejavascriptcode	F syntexpopline
F storejavascriptpreamble	F syntexpushline
F storenote	F syntexresetfilename
F storeregister	F syntexresume
F strc_tags_document_pop	F syntexsetfilename
F strc_tags_document_push	F synonymfirstuserpage
F strc_tags_get_element_tag	F synonymmeaning
F strc_tags_parcounter_pop	F synonymname
F strc_tags_parcounter_push	F synonympages
F strc_tags_set_aspect	F synonymuserpages
F strc_tags_set_element_user_properties	F systemlog
F strc_tags_start	F tabl_ntb_get_sec
F strc_tags_start_chained	F tabl_ntb_set_sec
F strc_tags_start_detail	F tagmfunctionlab
F strc_tags_start_ignore	F tagmfunctionlabattribute
F strc_tags_start_userdata	F tan
F strc_tags_stop	F tand
F stringtoorientation	F textdir

F textime	F usecolors
F tf	F usecomponent
F thebox	F useenvironment
F thefirstcharacter	F usefigurebase
F themaxboxwidth	F usefile
F theremainingcharacters	F useimageresource
F tightfitcompensation	F usejavascriptpreamble
F timestring	F usejavascriptscripts
F tobigpoints	F uselibrary
F tobit	F uselist
F tobits	F useluumodule
F tochar	F useluatable
F tohexa	F usemathpluginlibrary
F toorientation	F usemodules
F totalofstring	F usepath
F tounicharnum	F useproduct
F towholebigpoints	F useproject
F transliterate	F usereferences
F transliteratebuffer	F useregister
F transliterated	F usesubpath
F transliteratedbuffer	F usesymbols
F transliterationexception	F usetransliteration
F traverseblock	F useurl
F traversemath	F usezipfile
F triggerpagebuilder	F utfchar
F truefilename	F utflower
F truefontname	F utfmathclass
F type	F utfmathcommand
F typebuffer	F utfmathcommandfiller
F typefile	F utfmathfiller
F uchar	F utfmathstretch
F uchexnumber	F utfshape
F uchexnumbers	F utfstrip
F undefinechemical	F utfupper
F unicodechar	F uuid
F unihex	F vboxlisttohbox
F unit	F verbose
F unloadlanguage	F vpackbox
F unstripinserts	F vpackedbox
F unsupportedcs	F way
F useMPLibrary	F weekday
F useanyfile	F weekdayname
F useanyfileonce	F widthofstring
F useboxresource	F widthuptohere

F write	F xmldelete
F writeline	F xmldepth
F writestatus	F xmldirect
F writestring	F xmldirectives
F x_table_c	F xmldirectivesafter
F x_table_cleanup	F xmldirectivesbefore
F x_table_construct	F xmldisplayverbatim
F x_table_create	F xmldoif
F x_table_finish_row	F xmldoifatt
F x_table_flush	F xmldoifelse
F x_table_init_construct	F xmldoifelseatt
F x_table_init_reflow_height	F xmldoifelseempty
F x_table_init_reflow_height_option	F xmldoifelseselfempty
F x_table_init_reflow_width	F xmldoifelsetext
F x_table_init_reflow_width_option	F xmldoifempty
F x_table_next_row	F xmldoifnot
F x_table_next_row_option	F xmldoifnotatt
F x_table_r	F xmldoifnotempty
F x_table_reflow_height	F xmldoifnotselfempty
F x_table_reflow_width	F xmldoifnottext
F x_table_set_construct	F xmldoifselfempty
F x_table_set_reflow_height	F xmldoiftext
F x_table_set_reflow_width	F xmlelement
F xmladdindex	F xmlfileline
F xmlafterssetup	F xmlfilename
F xmlall	F xmlfilter
F xmlappendsetup	F xmlfilterlist
F xmlapplyselectors	F xmlfirst
F xmlatt	F xmlflush
F xmlattdef	F xmlflushcontext
F xmlattribute	F xmlflushlinewise
F xmlattributedef	F xmlflushpure
F xmlbadinclusions	F xmlflushsetup
F xmlbeforesetup	F xmlflushspacewise
F xmlchainatt	F xmlflushtext
F xmlchainattdef	F xmlformulatobuffer
F xmlchecknamespace	F xmlfunction
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F getparameterset	F registermeshupper
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F	svgsplitcolor	D	buff-imp-lua
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D font-imp-compound	D font-san
D font-imp-digits	D font-sel
D font-imp-dimensions	D font-shp
D font-imp-effects	D font-sol
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D scrp-tha	D trac-par
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F open		F asin
F openfile		F atan
F openstream		F band
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F addtexentry		F splitoneauthor	
F analyze		F tags	
F anywhere		F usedataset	
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D authormap		F bitmap	
F authortoregister		F generate	
F checkeddataset		rawequal	function
D collected		rawget	function
F concatstate		rawlen	function
F converttoxml		rawset	function
F endnotes_to_btx		regimes	table
F finder		D backmapping	
F firstofrange		F cleanup	
F found		F disable	
F get		F enable	
F getcasted		F fromregime	
F getdetail		F list	
F getdirect		D mapping	
F getfaster		F pop	

F process		F findgivenfiles
F push		F findlib
F toregime		F findpath
F translate		F findpk
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F allprefixes		F findwildcardfiles
F appendhash		F formatofsuffix
F automount		F formatofvariable
F booleanvariable		D formats
S cacheversion		F foundintree
F checkedvariable		F foundintrees
F cleanedpathlist		D generators
D cleaners		F get_from_content
F cleanpath		F getdetails
F cleanpathlist		F getenv
F cleanupbinfile		F getextrapaths
D concatinators		F getfilehashes
S configbanner		F gethashes
F configurationfiles		F getownpath
D dangerous		F getreadfilename
F datastate		D hashers
F dirstatus		S homedir
F dowithfilesandreport		F ignorelibrary
F dowithfilesintree		F initialized
F dowithpath		F installinputfilehandler
F dowithvariable		F installinputlinehandler
F expandbraces		F jobpath
F expandedpathfromlist		F joinpath
F expandedpathlist		F knownvariables
F expandedpathlistfromvariable		F load
F expandpath		F loadbinfile
F expandpathfromvariable		D loaders
F expansion		F loadlua-lib
F extendtexmfvariable		F loadtexfile
F filtered_from_content		F loadtime
F find_file		F locateformat
F find_files		D locators
F findbinfile		S luacnffallback
F findctxfile		S luacnfname
D finders		S luacnfspec
F findfile		S luacnfstate
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F findgivenfile		F methodhandler

- F missinglibrary
- F openbinfile
- D openers
- F openfile
- F opentextfile
- S ownpath
- F popextrapath
- F popinputname
- F poppath
- D prefixes
- F prependhash
- F pushextrapath
- F pushinputname
- F pushpath
- F registerextrapath
- F registerfile
- F registerfilehash
- F registerintrees
- F registermethod
- F registerzipfile
- D relations
- F renew
- F renewcache
- F repath
- F reset
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- F resetresolve
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- F setdynamic
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- F showdetails
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- F splitexpansions
- F splitmethod
- F splitpath
- F stackpath
- F starttiming
- F stoptiming
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- D suffixmap
- F suffixoffformat
- F texdatablob
- F toppath
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- F unexpandedpath
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- F unresolve
- F updaterelations
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- F uselibrary
- D usertypes
- F usezipfile
- F validatedpath
- F variable
- F variableoffformat
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- F enable
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- F finalizer
- F getrunner
- F initializer
- F iohandler
- F logcalls
- F logfiles
- F original
- F overload
- F possiblepath
- F redefine
- F register
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- F registerlibrary
- F registerroot
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- F setfilenamelogger
- F setlogger
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F settrace		F HEX384	
F validfilename		F HEX512	
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D colors		F digest384	
F decomposehangul		F digest512	
F getdata		F hash256	
F getinjector		F hash384	
F getsplitter		F hash512	
F getstatus		F hex256	
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F reset		F readbytes	
F set		F readbytetable	
F setstatus		F readcardinal1	
D splitters		F readcardinal1le	
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F __gc		F readcardinal3	
S __name		F readcardinal3le	
F __tostring		F readcardinal4	
F close		F readcardinal4le	
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F tostring		F readcstring	
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F contains		F readfixed2	
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F tocardinal1		F get	
F tocardinal1le		F max	
F tocardinal2		F min	
F tocardinal2le		F new	
F tocardinal3		F range	
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F bind		F currenttime	
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F newtry		F formatruntime	
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F packch		F getbalancestate	
F packuc		F getbufferstate	
F replacementlist		F getcallbackstate	
F setlanguage		F getconstants	
F sort		F getdumpstate	
F strip		F geterrorlinestate	
D tracers		F geterrorstate	
F update		F getexpandstate	

F getfilestate	F flush	
F getfontstate	F initialize	
F gethalferrorlinestate	F push	
F gethashstate	F start	
F gethyphenationstate	F stop	
F getinputstate	F synchronize	
F getinsertstate	string	table
F getlanguagestate	F autodouble	
F getlinebreakstate	F autosingle	
F getlookupstate	F booleanstring	
F getluastate	F byte	
F getmarkstate	F bytepairs	
F getmvlststate	F bytes	
F getneststate	F bytetable	
F getnodestate	F char	
F getparameterstate	F characterpairs	
F getpoolstate	F characters	
F getreadstate	F checkedsplit	
F getsavestate	F chrtointeger	
F getsparsestate	F collapsespaces	
F getstringstate	F containsws	
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F gettokenstate	F dectointeger	
F getwarningstate	F dump	
F list	F escapedpattern	
F resetmessages	F escapedquotes	
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	F find	
F allocate	F format	
F mark	F formatter	
F marked	D formatters	
N max	F fullstrip	
N min	F gmatch	
N nofmodules	F gsub	
N noftables	F hextocharacters	
F register	F hextointeger	
D shared	F is_boolean	
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B strip	F itself	
N tofmodules	F len	
N toftables	F limit	
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	F longtostring	
F collect	F lower	
F disable		
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F nospaces	F utfcharactertable	
F octtointeger	F utflength	
F optionalquoted	F utfpadd	
F pack	F utfpadding	
F packrowscolumns	F utftabletostring	
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F quote	F utfvalues	
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F rep	F valid	
F replacenewlines	F wordsplitter	
F reverse	structures	table
F split	F atlocation	
F splitintolines	F currentsectionnumber	
F splitlines	table	table
F splitup	F append	
F strip	F are_equal	
F sub	F combine	
F texhashed	F compact	
F texnewlines	F concat	
F tformat	F contains	
F toHEX	F copy	
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F todec	F deserialize	
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F tonodes	F filtered	
F topattern	F flattened	
F totable	F fromhash	
F tunicode16	F getn	
F toutf	F has_one_entry	
F toutf16	F hashed	
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F unpack	F is_empty	
F unquote	F is_simple_table	
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- F merge
- F merged
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- F move
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- F remove
- F reverse
- F reversed
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- F setmetatablecall
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- F sort
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- F sparse
- F strip
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- F tocontext
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- F tofile
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- F attributetracking
- D automigrationcodes
- D autoparagraphcodes
- F badness
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- D balancecallbackcodes
- D boxcontinuationcodes
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F getautomigrationvalues	F getglyphprotectionvalues
F getautoparagraphvalues	F getglyphscales
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F getbalancecallbackvalues	F getglyphstate
F getbalanceparameterfields	F getgroupvalues
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F getbox	F gethmcodes
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F getboxdir	F getiftypes
F getboxoptionvalues	F getinputstatefile
F getboxresourcebox	F getinputstateline
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F getbreakcontextvalues	F getinsertcategoryvalues
F getbuildcontextvalues	F getinsertcontent
F getcardinalvalue	F getinsertdepth
F getcatcode	F getinsertdistance
F getcccode	F getinsertheight
F getcharactercontrolvalues	F getinsertlimit
F getcharacteretagvalues	F getinsertmaxplaced
F getcount	F getinsertmultiplier
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F getdelcode	F getinsertsplitvalues
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F getdiscoptionvalues	F getiovalues
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F getemptyparagraphmodevalues	F getlargestusedmark
F geterrorrecoverymodevalues	F getlccode
F geterrorvalues	F getlinebreakparameterfields
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F getfloat	F getlinedir
F getfontdimension	F getlist
F getfontofffamily	F getlistanchorvalues
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F getglyphdata	F getlocalbox
F getglyphdiscvalues	F getlocalboxlocations

F getlocallevel	F getpardataspecifications
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F getmathclassoptionvalues	F getparstatefields
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F getmathstylenamevalues	F getrunstate
F getmathstylevalues	F getrunstatevalues
F getmathstylevariant	F getsfcode
F getmathsurroundvalues	F getshapingpenaltiesvalues
F getmathvariantpresets	F getskip
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F getmeasure	F getspacefactorvalues
F getmissingcharactervalues	F getspacevalues
F getmode	F getspcode
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F getmuglue	F getspecification
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F getmvloptionvalues	F gettextcontrolvalues
F getnest	F gettextdir
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F getnestlevel	F getuccode
F getnoadooptionvalues	F getuleaderlocationvalues
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F getnospacesmodevalues	F getvsplitcontextvalues
F getoutputactive	D glueoptioncodes
F getoverloadstate	D glyphdiscodes
F getpacktypevalues	D glyphoptioncodes
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F getpagestate	F hashtokens
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F getparagraphfillmodevalues	D hyphenationcodes
F getparagraphoptionvalues	D ifs
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 F setcount
 F setdelcode
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 F setglyphdata
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F setglyphstate
 F sethccode
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 F setinputstatefile
 F setinputstateline
 F setinputstatemode
 F setinsertcontent
 F setinsertdistance
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 F setinsertmaxplaced
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F splitbox
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 F forceendoffile
 F getinputindex
 F getselectorvalues
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 F setlogfile
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<code>F writeselector</code>		<code>F getcmdname</code>
<code>F writeselectorlf</code>		<code>F getcommand</code>
<code>F writeselectornl</code>		<code>F getcommandvalues</code>
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<code>F expand</code>		<code>F getfrozen</code>
<code>F expand_macro</code>		<code>F getfunctionvalues</code>
<code>F expandmacro</code>		<code>F getid</code>
<code>F future_expand</code>		<code>F getimmutable</code>
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<code>F get_active</code>		<code>F getinstance</code>
<code>F get_cmdchracs</code>		<code>F getinteger</code>
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<code>F get_command</code>		<code>F getmacro</code>
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<code>F get_frozen</code>		<code>F getprotected</code>
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<code>F get_protected</code>		<code>F is_defined</code>
<code>F get_range</code>		<code>F is_next_char</code>
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<code>F get_tolerant</code>		<code>F isactivestring</code>
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F isnextchar	F scan_scale
F istoken	F scan_skip
F locatemacro	F scan_string
F new	F scan_token
F peek_next	F scan_token_code
F peek_next_char	F scan_tokenlist
F peek_next_expanded	F scan_toks
F peeknext	F scan_value
F peeknextchar	F scan_word
F peeknextexpanded	F scanargument
F pop_macro	F scanbox
F popmacro	F scancardinal
F push_macro	F scanchar
F pushmacro	F scancmdchr
F put_back	F scancmdchrexploded
F put_next	F scancode
F putback	F scancsname
F putnext	F scancstoken
F save_lua	F scandelimited
F savelua	F scandetokened
F scan_argument	F scandimen
F scan_box	F scandimenargument
F scan_cardinal	F scandimension
F scan_char	F scandimensionargument
F scan_cmdchr	F scanfloat
F scan_cmdchr_expanded	F scanglue
F scan_code	F scanint
F scan_csname	F scaninteger
F scan_delimited	F scanintegerargument
F scan_dimen	F scankey
F scan_float	F scankeyword
F scan_glue	F scankeywordcs
F scan_integer	F scanletters
F scan_key	F scanluacardinal
F scan_keyword	F scanluainteger
F scan_keyword_cs	F scanluanumber
F scan_letters	F scannext
F scan_luacardinal	F scannextchar
F scan_luainteger	F scannextexpanded
F scan_luanumber	F scanposit
F scan_next	F scanreal
F scan_next_char	F scanscale
F scan_next_expanded	F scanskip
F scan_real	F scanstring

F scantoken		D values	
F scantokencode		tonumber	function
F scantokenlist		tostring	function
F scantokenstring		tracers	table
F scantoks		F printerror	
F scanvalue		F printwarning	
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F serialize		trackers	table
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F set_integer		F default	
F set_lua		F disable	
F set_macro		F dumphashtofile	
F setdimension		F enable	
F setinteger		F list	
F setlua		S name	
F setmacro		F register	
F setmacrofrommark		F report	
F setmacrotonothing		F reset	
F skip_next		F savehash	
F skip_next_expanded		F show	
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F type		type	function
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F astable		F showsuspects	
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F compile		F apply	
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F create		url	table
F defined		F addscheme	
F flags		F barepath	
F getinteger		F construct	
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F isactivestring		F encode	
F isdefined		F escape	
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F new		F hashed	
F pickup		F hasscheme	
F popmacro		F query	
F pushmacro		F split	
F setinteger		F toquery	

F unescape		utf8	table
F unescapeget		F char	
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F byte		F codes	
F bytepairs		F len	
F char		F offset	
F characters		utilities	table
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F count		F add	
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F is_valid		F average	
F len		F ceiling	
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F lower		F collectoverlap	
F remapper		F concat	
F replacer		F copy	
F split		F crossproduct	
F splitlines		F delete	
F sub		F determinant	
F substituter		F div	
F tocodes		F equal	
F toeight		F exchange	
F toentities		F floor	
F tostring		F get	
F totable		F getdimensions	
F upper		F getepsilon	
F ustring		F getmemory	
F utf16_to_utf8_be		F getmesh	
F utf16_to_utf8_be_t		F getmeshtypes	
F utf16_to_utf8_le		F getpointtypes	
F utf16_to_utf8_le_t		F getrc	
F utf16_to_utf8_t		F getrow	
F utf32_to_utf8_be		F getsizes	
F utf32_to_utf8_be_t		F getstacking	
F utf32_to_utf8_le		F gettype	
F utf32_to_utf8_le_t		F homogenize	
F utf32_to_utf8_t		F identity	
F utf8_to_utf16		F inner	
F utf8_to_utf16_be		F insert	
F utf8_to_utf16_le		F inverse	
F utf8_to_utf8_t		F ismesh	
F values		F ispoints	
F xstring		F issingular	

F isvector		S signal	
F iszero		U signalpattern	
F meshname		D specifications	
F mul		F visualize	
F negate		F visualizebuffer	
F new		F visualizefile	
F normalize		F visualizestring	
F onecolumn		F write	
F onerow		F writeargument	
F product		F writedefault	
F remove		F writeemptyline	
F replace		F writenewline	
F round		F writespace	
F rowechelon		warn	function
F set		xcomplex	table
F setepsilon		F I	
F setnext		F __add	
F setrc		F __div	
F setstacking		F __eq	
F slice		F __mul	
F sort		S __name	
F sub		F __pow	
F swap		F __sub	
F tostring		F __tostring	
F totable		F __unm	
F transpose		F abs	
F triangulate		F acos	
F truncate		F acosh	
F type		F arg	
visualizers	table	F asin	
D escapepatterns		F asinh	
F getspecification		F atan	
F getvisualizer		F atanh	
F load		F conj	
F makenested		F cos	
F makepattern		F cosh	
F newgrammar		F dawson	
F newhandler		F erf	
F parsedxml		F erfc	
F pattern		F erfcx	
F register		F erfi	
F registerescapecommand		F exp	
F registerescapeline		F i	
F registerescapepattern		F imag	

F log		F max	
F new		F min	
F pow		F minus	
F proj		F new	
F real		F plus	
F sin		F pow	
F sinh		F rotate	
F sqrt		F setprecision	
F tan		F shift	
F tanh		F sqrt	
F topair		F toengstring	
F tostring		F tonumber	
F totable		F tostring	
F voigt		F trim	
F voigt_hwhm		xinterval	table
xdecimal	table	F __add	
F __add		F __div	
F __band		F __eq	
F __bor		F __le	
F __bxor		F __lt	
F __div		F __mod	
F __eq		F __mul	
F __idiv		S __name	
F __le		F __pow	
F __lt		F __sub	
F __mod		F __tostring	
F __mul		F __unm	
S __name		F abs	
F __pow		F acos	
F __shl		F acosh	
F __shr		F asin	
F __sub		F asinh	
F __tostring		F asstring	
F __unm		F atan	
F abs		F atanh	
F band		F cos	
F bor		F cosh	
F bxor		F diameter	
F conj		F equal	
F copy		F erf	
F exp		F erfc	
F getprecision		F exp	
F ln		F expl0	
F log		F exp2	

F expm1
F greater
F greaterequal
F hull
F intersect
F less
F lessequal
F log
F log10
F log1p
F log2
F mid
F mod
F new
F neweps
F pow
F seteq
F setge
F setgt
F settle
F settlt
F sin
F sinh
F sqr
F sqrt
F tan
F tanh
F topair
F tostring
F totable
F usedendian
F within

xmath

F acos
F acosh
F asin
F asinh
F atan
F atan2
F atanh
F cbrt
F ceil
F copysign
F cos

table

F cosh
F crossproduct
F deg
F dotproduct
F erf
F erfc
F exp
F exp2
F expm1
F fabs
F fdim
F floor
F fma
F fmax
F fmin
F fmod
F frexp
F gamma
F hypot
N inf
F isfinite
F isinf
F isnan
F isnormal
F j0
F j1
F jn
F ldexp
F lgamma
F log
F log10
F log1p
F log2
F logb
F modf
N nan
F nearbyint
F nextafter
F normalize
N pi
F pow
F rad
F remainder
F remquo

F round		S defaultprotocol
F scalbn		F delete
F sin		F delete_element
F sinh		F despecialized
F sqrt		F each
F tan		F each_element
F tanh		F elements
F tgamma		F elementtocdata
F trunc		F empty
F y0		D entities
F y1		F erase
F yn		F errorhandler
xml	table	F escaped
F addentitiesdoctype		F expand
F addspecialcode		F fillin
F after		F filter
F all		F first
F applylpath		F found
F applyselector		F getbuffer
F assign		F gethandlers
F attribute		F gethandlersfunction
F badinclusions		F include
F before		F inclusion
F body		F inclusions
F cdata		F index
F cdatatotext		F inheritattributes
F checkbom		F inheritedconvert
F checkedempty		F inject
F checkerror		F inject_element
F checknamespace		F inject_element_after
F checkns		F inject_element_before
F cleansed		F injectafter
F collect		F injectbefore
F collect_elements		F insert
F collect_tags		F insert_element
F collect_texts		F insert_element_after
F collected		F insert_element_before
F collecttexts		F insertafter
F compactelement		F insertbefore
F content		F insertcdata
F convert		F insertcomment
F copy		F inspect
F count		F is_valid
F cprint		F kind

F last
 F lastmatch
 F load
 F lpath
 F lpathcached
 F lpathcalls
 F lshow
 F makestandalone
 F match
 F name
 F newhandlers
 F nodesettostring
 F originalload
 F package
 F parent
 U parsedentitylpeg
 F popmatch
 F position
 D privatecodes
 F privatetoken
 F process
 F process_attributes
 F process_elements
 F processattributes
 F pure
 F pushmatch
 F raw
 F registerentity
 F registers
 F reindex
 F remap_name
 F remap_namespace
 F remap_tag
 F remapname
 F remapnamespace
 F remaptag
 F rename
 F renamespace
 U reparsedentitylpeg
 F replace
 F replace_element
 F resetinjectors
 F resolves
 F root

F save
 F selection
 F separate
 F serialize
 F serializetotext
 F setcdata
 F setcomment
 F sethandlersfunction
 F setinjectors
 F setproperty
 F settings
 D specialcodes
 F sprint
 F string
 F strip
 F strip_whitespace
 F stripelement
 F stripleadingspaces
 F table
 F text
 F textonly
 F texttocdata
 F tocdata
 F toelement
 F tostring
 F totable
 F toxml
 F tprint
 F traverse
 F unescaped
 U unescapedentitylpeg
 F unprivatized
 F unspecialized
 F wipe
 F withelement
 F withelements
 F wrap

xpcall

xzip

F adler32
 F compress
 F compresssize
 F crc32
 F decompress

function

table

F decompresssize		F setopacity	
zbuffer	table	F setup	
F bounds		F smoothen	
F composite		F stipple_0	
F crop		F stipple_1	
F edgepoint		F stipple_2	
F flatten		F stipple_3	
F get		F stipple_4	
F getcolor		F stipple_setup	
F getconstants		F tobytes	
F getdepth		F toString	
F getnormal		F totable	
F getnormalmodes		F transform	
F getopacity		F trianglebounds	
F getsize		F triangled	
F implicit		F triangles	
F iszbuffer		F type	
F meshmesh		zip	table
F new		F closearchive	
F points		F openarchive	
F process		zlib	table
F project		F adler32	
F resolve		F compress	
F set		F compresssize	
F setcolor		F crc32	
F setdepth		F decompress	
F setnormal		F decompresssize	

graphics (context)

backgrounds	table	identify	function
F fetchmultipar		registerpdfcompactor	function
F pair		registerpdffont	function
F path		synchronizers	table
F point		F collapse	
bitmaps	table	F collect	
F flush		F extend	
F load		F getbottom	
F new		F getd	
F placeholder		F geth	
F tocontext		F getkind	
bpsize	function	F getsizes	
colorspaces	table	F gettask	
identifiers	table	F gettop	
F bitmap		F getw	
F jp2		F getx	
F jpeg		F gety	
F jpg		F prune	
F png			

gzip (context)

compress function
compressed function
decompress function

load function
save function
suffix function

helper (context)

getprofile	function
mathnested	function
mathprocess	function
mathstep	function
snapindeed	function

snaplist	function
traversecharmmethod	function
traverseglyphmethod	function
traversehorizontal	function
traversevertical	function

images (context)

check	function	B crop	
checksize	function	B media	
copy	function	B none	
create	function	B trim	
embed	function	storedata	function
embedfromstore	function	totable	function
fetchdata	function	types	table
keys	table	N jbig2	
print	function	N jp2	
resetdata	function	N jpg	
resetstore	function	N none	
scan	function	N pdf	
serialize	function	N png	
sizes	table	N stream	
B art		wrap	function
B bleed			

interactions (context)

attachments data table

fields table

F clone

F define

F defineset

F insert

general table

F getidentity

F getidentityvariable

help table

F collect

F reference

F register

javascripts table

F addtopreamble

F code

D codes

F flushpreambles

D functions

D preambles

F setpreamble

F storecode

F storepreamble

F usepreamblenow

F usescripts

linkedList data table

pages table

F setpagetransition

F setupcanvas

references table

F setcloseddocumentaction

F setclosepageaction

F setopendocumentaction

F setopenpageaction

renderings data table

interfaces (context)

arrays	table	namesofscanners	table
cachedsetups	data table	namespaces	table
cachesetup	function	F define	
cardinals	table	F list	
checkedspecification	function	numbers	table
complete	data table	registernamespace	function
constants	data table	registerscanner	function
corenamespaces	data table	scanners	data table
currentinterface	string	setconstant	function
currentresponse	string	setcount	function
definecommand	function	setdimen	function
defined	function	setelement	function
doifelsemessage	function	setformat	function
elements	data table	setmacro	function
floats	table	setmessage	function
formats	data table	setmessages	function
getmessage	function	settranslation	function
getnamespace	function	setupstrings	data table
getsetupstring	function	setvariable	function
hashedsetups	data table	showmessage	function
implement	function	storedscanners	data table
integers	table	tolist	function
interfacedcommand	function	translations	data table
interfaces	table	usednamespaces	data table
knownscanner	function	variables	data table
message	function	writestatus	function
nameofscanner	function		

io (basic lua)

ask	function	open	overloaded function
bytes	function	output	overloaded function
characters	function	pathseparator	string
close	function	popen	overloaded function
copydata	function	read	function
exists	function	readall	function
fileseparator	string	readnumber	function
flush	function	readstring	function
gobble	function	savadata	function
input	overloaded function	size	function
lines	overloaded function	stderr	userdata
loadchunk	function	stdin	userdata
loaddata	function	stdout	userdata
loadlines	function	tmpfile	function
newreader	function	type	function
noflines	function	write	function

job (context)

comment	function	D collected	
datasets	table	F countervalue	
D collected		F extend	
F extend		F realpage	
F getdata		F realpageorder	
F setdata		F setstate	
D tobesaved		D tobesaved	
disablesave	function	parwrappers	table
embedded	table	D collected	
D collected		D tobesaved	
D tobesaved		positions	table
fileobjreferences	table	F b_column	
D collected		F b_region	
D tobesaved		F c	
files	table	D collected	
D collected		F column	
F context		F columnofpos	
B forcerun		F copy	
F run		F depth	
D tobesaved		F e_column	
getrandomseed	function	F e_region	
initialize	function	F enhance	
linkedlists	table	F extra	
D collected		F get	
D tobesaved		F getcolumndata	
load	function	F getfree	
loadother	function	F gethpos	
meshedup	table	F gethvrpos	
D collected		F getpos	
D tobesaved		F getreserved	
objects	table	F getrpos	
D collected		F getsync	
F get		F gettobesaved	
F number		F getvpos	
F page		F hangafter	
F save		F hangindent	
F set		F height	
D tobesaved		F hsize	
pack	boolean	N lastr	
packversion	number	N lastx	
pagestates	table	N lasty	

F leftskip	F upperleft	
F lowerleft	F upperright	
F lowerright	F used	
F markregionbox	F whd	
F n	F width	
F onsamepage	F x	
F overlapping	F xy	
F p	F y	
F page	register	function
F paragraph	save	function
F parindent	structure	table
F position	D collected	
F r	variables	table
F region	D checksums	
F registerhandlers	D collected	
F replace	F getchecksum	
F rightskip	F makechecksum	
F set	F restore	
F setall	F save	
F setregionbox	F setchecksum	
F setspec	D tobesaved	
F settobesaved	version	number
D tobesaved		

kdtree (context)

delete	function
found	function
insert	function
nearest	function
nearestindex	function

new	function
newweighted	function
reset	function
totable	function
traverse	function

language (basic tex)

clean	function
clearhyphenation	function
clearpatterns	function
current	function
gethjcode	function
haslanguage	function
hyphenate	function
hyphenation	function
hyphenationmin	function

id	function
new	function
patterns	function
postexhyphenchar	function
posthyphenchar	function
preexhyphenchar	function
prehyphenchar	function
sethjcode	function
setwordhandler	function

languages (context)

addgoodiesdata	function	numbers	data table
addgoodiesfile	function	pdflanguage	function
appliedoptions	table	postexhyphenchar	function
associate	function	postthyphenchar	function
associated	data table	preexhyphenchar	function
association	function	prehyphenchar	function
counters	data table	registered	data table
current	function	registeredactions	table
data	data table	replacements	table
decimals	data table	F add	
define	function	F addlist	
explicitthyphen	function	F handler	
exportlanguage	function	F set	
flatten	function	serializediscretionary	function
frequencies	table	setexceptions	function
F averagecharwidth		setgoodieshandler	function
F getdata		setoptions	function
getdata	function	setpatterns	function
getmetadata	function	setsynonym	function
getnumber	function	setwordhandler	function
goodiefiles	function	showdiscretionaries	function
hjcounts	table	strippedgoodiewords	function
hyphenate	function	tolang	function
hyphenators	table	transliteration	table
D featuresets		F exception	
F handler		F handler	
F popmethod		F register	
F pushmethod		F set	
F setmethod		F use	
F setup		unload	function
F showhyphenationtrace		urls	table
installed	function	D characters	
installhandler	function	N lefthyphenmin	
labels	table	D mapping	
F define		B packslashes	
F split		N righthyphenmin	
loadable	function	F setcharacters	
loadwords	function	version	number
logger	table	visualizediscretionaries	function
F report		words	table
nofflattened	function	F check	

F disable

F found

F enable

F load

B enables

N threshold

layouts (context)

getcanvas	function	status	table
getpagedimensions	function	F isleftpage	
setupcanvas	function	F lefttorrightpageaction	

lfs (extra lua)

attributes	overloaded function	iswriteablefile	function
canonicalize	function	link	overloaded function
chdir	overloaded function	mkdir	overloaded function
currentdir	function	makedirs	function
dir	overloaded function	modification	function
expandpath	function	readlink	function
isdir	overloaded function	rmdir	overloaded function
isfile	overloaded function	setexecutable	function
isfound	function	symlink	function
isreadabledir	function	symlinktarget	function
isreadablefile	function	touch	overloaded function
iswriteabledir	function	walkdir	function

libraries (context)

basiclua data table

basictex data table

builtin data table

extralua data table

extratex data table

functions data table

globals data table

optional data table

lmx (context)

color	function
convert	function
convertfile	function
convertstring	function
einject	function
eprint	function
escape	function
finalized	function
finject	function
fprint	function
get	function
getvariables	function
htmfile	function
html	table
F a	
F td	
F th	
include	function
inherited	table
S color-background-four	
S color-background-one	
S color-background-three	
S color-background-two	
S title	
initialize	function
inject	function

lmxfile	function
loadedfile	function
make	function
new	function
popupfile	function
print	function
pv	function
report	function
reset	function
result	function
set	function
show	function
stripcss	function
tv	function
type	function
urlescape	function
variable	function
variables	table
S color-background-blue	
S color-background-body	
S color-background-green	
S color-background-main	
S color-background-purple	
S color-background-yellow	
S title-default	

logs (context)

application	function	setformats	function
categories	function	setformatters	function
direct	function	setlogfile	function
disable	function	setmessenger	function
enable	function	setprocessor	function
finalactions	function	settarget	function
flush	function	settimedlog	function
loggingerrors	function	settranslations	function
messenger	function	show	function
new	function	start_page_number	function
newline	function	start_run	function
poplogfile	function	startererrorlogging	function
poptarget	function	startfilelogging	function
private	table	status	function
F enablepagetiming		stop_page_number	function
F getpagetiming		stoperrorlogging	function
pushlogfile	function	stopfilelogging	function
pushtarget	function	subdirect	function
registerfinalactions	function	subreport	function
report	function	system	function
reporter	function	texerrormessage	function
resetlogfile	function	writer	function

lpdf (context)

action	function	copystring	function
adddocumentcolorspace	function	copyunicode	function
adddocumenttextgstate	function	deferredobject	function
adddocumentpattern	function	delayedobject	function
adddocumentshade	function	destinationspecification	function
addtocatalog	function	dictionary	function
addtoinfo	function	docstring	function
addtonames	function	encodingvalues	table
addtopageattributes	function	N base16	
addtopageresources	function	N base85	
addtopagesattributes	function	N decoded	
addxmpinfo	function	N encoded	
annotationspecification	function	N plain	
array	function	N utf16be	
attachmentsymbols	function	N utf16le	
boolean	function	endpoints	table
border	function	S Div	
checkedkey	function	S Part	
checkedresources	function	S Sect	
checkedvalue	function	epdf	table
circularshade	function	F allcontent	
close	function	F analyzefonts	
cmykcode	function	F contentplugin	
collectedresources	function	F contenttostring	
color	function	F contenttotext	
colorspace	function	D encryptioncodes	
colorspaceconstants	data table	F expanded	
colorspec	function	F expandwidths	
colorvalue	function	F fontplugin	
colorvalues	function	F getpagecontent	
commentsymbols	function	F getstructure	
compressdata	function	F load	
compresslevel	function	F mergewidths	
constant	function	D objectcodes	
copyarray	function	F objectrange	
copyboolean	function	F objecttype	
copyconstant	function	F pageplugin	
copydictionary	function	F parsecontent	
copyfloat	function	F producer	
copyinteger	function	F unload	
copynumber	function	F verboseobject	

escaped	function	S \	
finalizedocument	function	h_hex_4	table
finalizepage	function	hasmatrix	function
finalizesignature	function	immediateobject	function
finishtransparencycode	function	includeimage	function
flags	table	initialize	function
flushfonts	function	injectors	table
flushgroup	function	F bitmap	
flushobject	function	F jp2	
flushstreamfileobject	function	F jpg	
flushstreamobject	function	F png	
fonts	table	injectxmpinfo	function
F color_direct		insertxmpinfo	function
F color_indirect		lastreferredpage	function
formats	data table	layerreference	function
frombytes	function	limited	function
fromeight	function	linearshade	function
frompdfdoc	function	literal	function
fromsixteen	function	majorversion	function
getcatalog	function	makenametree	function
getcompression	function	minorversion	function
getfontname	function	noffontregistries	function
getfontobjectnumber	function	nofpages	function
getformatoption	function	null	function
getinfo	function	number	function
getmatrix	function	object	function
getnofpages	function	objectcompresslevel	function
getpageproperties	function	pagereference	function
getpagereference	function	patternstream	function
getpagetags	function	pdfcolor	function
getpos	function	pdftimestamp	function
gettaggingstatus	function	permissions	table
gettrailerid	function	N access	
getversion	function	N add	
getxformname	function	N assemble	
graycode	function	N extract	
h_hex_2	table	N fillin	
S		N modify	
S		N print	
S		N quality	
S		preparesignature	function
S		print	function
S (		procset	function
S)		protectresources	boolean

quads	function	splitsixteen	function
rectangle	function	spotcode	function
reference	function	stream	function
registerannotation	function	string	function
registerdestination	function	supportedformats	function
registerdocumentfinalizer	function	tocidset	function
registerfontmethod	function	toeight	function
registerinitializer	function	topdfdoc	function
registerpagefinalizer	function	topermissions	function
registerpattern	function	tosixteen	function
registersignature	function	transparency	function
replacexmpinfo	function	transparencycode	function
reserveobject	function	transparencygroups	table
rgbcode	function	B none	
rotationcm	function	transparencyvalue	function
setcompression	function	unicode	function
setencryption	function	usedcharacters	table
setpageorder	function	usedfontnames	table
setpagestate	function	N dejavusansmonoboldttf-1-0-0	
setpagetag	function	usedfontobjects	table
setutfstringmode	function	N dejavusansmonoboldttf-1-0-0	
setversion	function	usedfontstreams	data table
sharedobject	function	usedindices	table
shareobject	function	verbose	function
shareobjectreference	function		

lpeg (basic lua)

B	function	firstofsplit	function
C	function	frontstripper	function
Carg	function	instringchecker	function
Cb	function	is_lpeg	function
Cc	function	keeper	function
Cf	function	locale	function
Cg	function	match	function
Cmt	function	oneof	function
Cp	function	patterns	data table
Cs	function	pcode	function
Ct	function	print	function
P	function	ptree	function
R	function	replacer	function
S	function	secondofsplit	function
UP	function	setmaxstack	function
UR	function	setutfcasers	function
US	function	split	function
V	function	splitat	function
afterprefix	function	splitter	function
anywhere	function	stripper	function
append	function	times	function
balancer	function	tsplitat	function
beforesuffix	function	tsplitter	function
checkedsplit	function	type	function
containsws	function	utfR	function
counter	function	utfchartabletopattern	function
endstripper	function	utfreplacer	function
finder	function	version	string

lua (basic tex)

addnibble	function	getstringkeys	function
bytecode	table	getversion	function
bytedata	data table	lastbytecode	number
bytdone	table	luastringcall	function
callbytecode	function	messages	data table
comparekeys	function	mpsstringcall	function
finalizeinitex	function	newindex	function
firstbytecode	number	newtable	function
get_functions_table	function	numbers	data table
getallkeys	function	protectglobal	function
getbytecode	function	registercode	function
getcheckedkeys	function	registeredcodes	function
getcurrenttime	function	registerglobal	function
getdebuginfo	function	registerinitexfinalizer	function
getexitcode	function	registername	function
getfunctionstable	overloaded function	setbytecode	function
getnibble	function	setexitcode	function
getnumerickeys	function	setnibble	function
getpreciseseconds	function	startupfile	string
getpreciseticks	function	subnibble	function
getruntime	function	usestringcall	function
getstacktop	function	version	string
getstartupfile	function		

luac (extra lua)

```
inspect function  
print    function
```

luatex (context)

abort	function	F disable	
cleanup	function	F enable	
cleanuptempfiles	function	F finish	
currentfile	function	F isenabled	
currentlevel	function	F pause	
currenttotal	function	F popline	
poprunstate	function	F pushline	
pushrunstate	function	F registerdisabler	
registerdumpactions	function	F registerenabler	
registerpageactions	function	F resetfilename	
registerstartactions	function	F resume	
registerstopactions	function	F setfilename	
registertempfile	function	F setup	
starttime	number	F start	
synctex	table	F stop	
F blockfilename		F wrapup	
F collect		wrapup	function

lxml (context)

addindex	function	filter	function
all	function	filterlist	function
applyfunction	function	first	function
applyselectors	function	flush	function
att	function	flushlinewise	function
attribute	function	flushsetups	function
badinclusions	function	flushspacewise	function
chainattribute	function	get_id	function
checkindex	function	getid	function
collected	function	getindex	function
command	function	id	function
concat	function	idsplitter	userdata
concatrange	function	ifatt	function
content	function	ifattempty	function
context	function	include	function
convert	function	inclusion	function
count	function	inclusions	function
delete	function	index	function
depth	function	inlineverbatimim	function
direct	function	installsetup	function
directives	table	last	function
F after		lastatt	function
F before		lastmatch	function
F handle		lastpar	function
F load		load	function
F setup		loadbuffer	function
displayverbatimim	function	loaddata	function
doif	function	loaded	table
doifelse	function	main	function
doifelseempty	function	match	function
doifelsetext	function	name	function
doifempty	function	namespace	function
doifnot	function	nonspace	function
doifnotempty	function	par	function
doifnottext	function	param	function
doiftext	function	parameter	function
element	function	path	function
elements	function	popmatch	function
entities	data table	pos	function
fileline	function	position	function
filename	function	pure	function

pushmatch	function
raw	function
rawroot	function
rawtex	function
refatt	function
register	function
registerentity	function
removesetup	function
replace	function
resetcdata	function
resetsetups	function
resolvedentity	function
root	function
save	function
serialize	function
setaction	function
setatt	function
setattribute	function
setcdata	function
setcommandtonone	function
setcommandtotext	function
setpar	function
setparam	function
setparameter	function
setsetup	function
snippet	function

sorters	table
F add	
F compare	
F flush	
F reset	
F show	
F sort	
splitid	function
startraw	function
startunesescaped	function
stopraw	function
stopunesescaped	function
store	function
strip	function
stripped	function
tag	function
texatt	function
text	function
tobuffer	function
tofile	function
toparameters	function
toverbatim	function
verbatim	function
withindex	function
xmltexhandler	data table

math (basic lua)

abs	function	maxinteger	number
acos	function	min	function
asin	function	mininteger	number
atan	function	mod	function
atan2	function	modf	function
ceil	function	odd	function
ceiling	function	pi	number
cos	function	pow	function
cosd	function	rad	function
cosh	function	random	overloaded function
deg	function	randomseed	function
div	function	round	function
even	function	setrandomseedi	function
exp	function	sin	function
floor	function	sind	function
fmod	function	sinh	function
frexp	function	sqrt	function
huge	number	tan	function
initialseed	number	tand	function
ldexp	function	tanh	function
log	function	tointeger	function
log10	function	type	function
max	function	ult	function

mathematics (context)

addfallbacks	function	familyname	function
addvariant	function	functiontype	function
alphabets	data table	gaps	data table
alternatives	data table	getblobindex	function
beforepassingfonttotex	function	getboth	function
big	function	getdomainname	function
boldmap	data table	getextensibledata	function
categories	table	getmathblob	function
D functions		getoptionallabel	function
charactersets	data table	getstyle	function
checkaftercopyingfont	function	gettextblob	function
classes	data table	getverboselabel	function
classnames	data table	horizontalcode	function
codes	data table	initializeparameters	function
define	function	makefont	function
dictionaries	table	mapremap	data table
D data		markblobindexdone	function
D defaults		overloadparameters	function
D groups		preset	function
F groupset		presets	table
F groupsetgroup		privatebase	number
F name		registerextensible	function
D names		registersimplematrix	function
F registercharacter		registerverboselabel	function
F registergroup		remapalphabets	function
F registergroupset		renderextensible	function
D sets		renderings	table
D variants		D mappings	
dimensions	function	D numbers	
disablecollecting	function	D sets	
domainlabels	table	renderset	function
domainnames	table	resetattributes	function
N default		scaleparameters	function
enablecollecting	function	setextensibledata	function
extensiblecode	function	setmathsymbol	function
extensibles	data table	sets	data table
extrabase	number	setsnapping	function
fallbacks	table	setvariant	function
F apply		strutcode	function
F install		styles	data table
fallbackstyleattr	function	syncboth	function

syncname	function	F fontname	
syncstyle	function	F inspect	
tagging	table	F keepbases	
B mfenced		F kernpairs	
toengineclass	function	F kerns	
toname	function	F margins	
tostyle	function	F message	
tweakaftercopyingfont	function	F moveitalics	
tweakbeforecopyingfont	function	F movelimits	
tweaks	table	F parameters	
F accentdimensions		F radicalbodymargins	
F action		F radicaldegreeanchors	
F addactuarian		F replace	
F addarrows		F replacealphabets	
F addbars		F replacerules	
F addcomposites		F setoptions	
F addequals		F setovershoots	
F addfourier		F showinfo	
F addmirrors		F simplifykerns	
F addparts		F sortvariants	
F addprivates		F staircase	
F addrules		F strut	
F addscripts		F substitute	
F bigslots		F topanchors	
F checkaccents		F tweaks	
F checkspacing		F version	
F copyaccents		F wipeanchors	
F dimensions		F wipecues	
F extendaccents		F wipeitalics	
F fallbacks		F wipevariants	
F fixaccents		utfmathaccent	function
F fixellipses		utfmathclass	function
F fixintegrals		utfmathcommand	function
F fixoldschool		utfmathfiller	function
F fixprimes		utfmathstretch	function
F fixradicals		variantcode	function
F fixslashes		variantcount	function
F fixvariants		virtualize	function
F flattenaccents		virtualized	data table

md5 (extra lua)

HEX	function
dec	function
hex	function

sum	function
sumHEXA	function
sumhexa	function

metapost (context)

checkformat	function	N newinternal
checktracingonline	function	N nullary
cm	function	N numeric
codes	table	N of
N addto		N ofbinary
N ampersand		N onlyset
N and		N parametertype
N assignment		N pathconnect
N atleast		N pathjoin
N begingroup		N plusorminus
N btex		N primarybinary
N capsule		N primarydef
N colon		N property
N comma		N protection
N controls		N relax
N curl		N repeatloop
N cycle		N rightbrace
N definedmacro		N rightbracket
N delimiters		N rightdelimiter
N endgroup		N runscript
N equals		N save
N etex		N scantokens
N everyjob		N secondarybinary
N exittest		N secondarydef
N expandafter		N semicolon
N fiorelse		N setbounds
N if		N shipout
N input		N show
N interim		N slash
N internal		N step
N iteration		N stop
N leftbrace		N str
N leftbracket		N string
N leftdelimiter		N tag
N let		N tension
N macrodef		N tertiarybinary
N macrospecial		N tertiarydef
N maketext		N thingstoadd
N message		N to
N mode		N typename
N newbytemap		N unary

N undefinedcs		gettext	function
N until		gettolerance	function
N void		graphic	function
N with		graphic_base_pass	function
N within		hascurvature	function
N write		includesvgbuffer	function
colorinitializer	function	includesvgfile	function
convert	function	installplugin	function
currentmpx	function	isobject	function
currentmpxstatus	function	knownparameters	table
defaultformat	string	lastlog	string
defaultinstance	string	load	function
defaultmethod	string	maketext	function
directrun	function	mesh	function
escaped	function	mesher	function
exectime	table	meshupper	function
extensiondata	data table	metafonts	table
filter	function	metafun	table
filterclippath	function	F interpolate	
flush	function	F topath	
flushers	table	mptopdf	table
flushnormalpath	function	F convertmpstopdf	
fonts	table	N nofconverted	
F define		n	number
format_number	function	newlogger	function
format_string	function	nofruns	number
formatnumber	function	nofscriptruns	function
getbackendoption	function	nvformat	function
getbendtolerance	function	pdfliterals	function
getbuffer	function	pluginactions	function
getclippath	function	points	function
getextensions	function	pointset	function
getextradata	function	popformat	function
gethashentries	function	popscriptrunner	function
getinstancebyname	function	popvariable	function
getinstanceinfo	function	popvariables	function
getinstancenames	function	preparetexttextsdata	function
getjobdata	function	process	function
getmovetolerance	function	processing	function
getparameter	function	processplugins	function
getparameterpreset	function	properties	table
getparameterset	function	pushformat	function
getrecord	function	pushscriptrunner	function
getstatistics	function	pushvariable	function

pushvariables	function	svgcachefile	boolean
quionerror	boolean	svgcolorremapper	function
reducetogray	boolean	svgfactors	table
registerdirect	function	N %	
registerfilter	function	N bp	
registermesher	function	N cm	
registermeshupper	function	N em	
registerpointset	function	N ex	
registerscript	function	N in	
registertokens	function	N mm	
remappedtext	function	N pc	
remaptext	function	N pt	
reporterror	function	N px	
reportsvgfonts	function	svgglyphtomp	function
reset	function	svgshapestomp	function
resetbackendoptions	function	svgshapestopdf	function
resetlastlog	function	svgsplitcolor	function
resetplugins	function	svgtomp	function
run	function	svgtopdf	function
runinternal	function	sxsy	function
runscript	function	tex	table
scanparameters	function	F get	
scriptindex	function	F reset	
setbendtolerance	function	F set	
setbuffer	function	F setfrombuffer	
setextensions	function	texerrors	boolean
setlogging	function	texexp	function
setmovetolerance	function	theclippath	function
setoutercolor	function	tographic	function
setparameter	function	totable	function
setparameterset	function	types	table
setrecord	function	N boolean	
settext	function	N cmykcolor	
settolerance	function	N color	
setvariable	function	N dependent	
showlog	boolean	N independent	
showsvgpage	function	N known	
simple	function	N nep	
splitprescript	function	N numeric	
startgraphic	function	N pair	
startsvghashing	function	N path	
stopgraphic	function	N pen	
stopsvghashing	function	N picture	
svformat	function	N protodependent	

N string	N unknownpicture	
N structured	N unknownstring	
N suffixedmacro	N unsuffixedmacro	
N tokenlist	N vacuous	
N transform	typesvgpage	function
N unknownboolean	unload	function
N unknownnep	untagvariable	function
N unknownpath	variables	table
N unknownpen		

mime (context)

b64 function

decode function

decodet table

F base64

F quoted-printable

dot function

encode function

encodet table

F base64

F quoted-printable

eol function

normalize function

qp function

qpwrp function

report function

stuff function

unb64 function

unqp function

wrap function

wrapt table

F base64

F default

F quoted-printable

F text

wrp function

mp (context)

autoinject	function	flatten	function
aux	function	flush	function
F boolean		format	function
F color		formatted	function
F direct		fprint	function
F draw		get	table
F fill		F hashentry	
F flush		getbytemap	function
F fprint		getbytemapdata	function
F integer		getbytemapdirect	function
F number		getlastaddtype	function
F numeric		graphformat	function
F pair		inject	function
F pairpoints		F boolean	
F path		F cmykcolor	
F pathpoints		F color	
F points		F integer	
F print		F number	
F quadruple		F numeric	
F quadruplepoints		F pair	
F quoted		F path	
F size		F points	
F string		F pt	
F transform		F quadruplet	
F triplet		F string	
F tripletpoints		F tokens	
F vprint		F transform	
boolean	function	F triplet	
bytemap_load_from_file	function	F vector	
cleaned	function	F vectors	
color	function	F whatever	
dataset	function	F whd	
datasets	function	F xy	
F load		integer	function
direct	function	lmt_function_x	function
downgradebytemap	function	lmt_glyphshape_accent	function
downsamplebytemap	function	lmt_glyphshape_baseline	function
draw	function	lmt_glyphshape_boundingbox	function
expandtex	function	lmt_glyphshape_depth	function
fill	function	lmt_glyphshape_height	function
fillbytemap	function	lmt_glyphshape_italic	function

lmt_glyphshape_llx	function	n	function
lmt_glyphshape_n	function	newbytemap	function
lmt_glyphshape_path	function	number	function
lmt_glyphshape_start	function	numeric	function
lmt_glyphshape_stop	function	pair	function
lmt_glyphshape_usedbox	function	pairpoints	function
lmt_glyphshape_usedline	function	path	function
lmt_glyphshape_width	function	pathpoints	function
lmt_mesh_set	function	points	function
lmt_mesh_update	function	points_register	function
lmt_poisson_generate	function	print	function
lmt_start_potrace	function	F boolean	
lmt_step_potrace	function	F color	
lmt_stop_potrace	function	F direct	
lmt_svg_include	function	F draw	
loadbytemap	function	F fill	
loadbytemapfile	function	F flush	
mesh_register	function	F fprint	
mf_blob_add	function	F integer	
mf_blob_dimensions	function	F number	
mf_blob_index	function	F numeric	
mf_blob_new	function	F pair	
mf_blob_raw_content	function	F pairpoints	
mf_blob_raw_dimensions	function	F path	
mf_blob_raw_reset	function	F pathpoints	
mf_blob_raw_toutf	function	F points	
mf_blob_raw_wipe	function	F print	
mf_blob_size	function	F quadruple	
mf_blob_width	function	F quadruplepoints	
mf_external_figure	function	F quoted	
mf_finish_saving_data	function	F size	
mf_formatted_text	function	F string	
mf_get_outline_text	function	F transform	
mf_graphic_text	function	F triplet	
mf_inject_blob	function	F tripletpoints	
mf_map_move	function	F vprint	
mf_map_text	function	processbytemap	function
mf_named_color	function	processingmode	function
mf_outline_text	function	quadruple	function
mf_save_data	function	quadruplepoints	function
mf_script_index	function	quoted	function
mf_start_saving_data	function	report	function
mf_stop_saving_data	function	scan	table
mode	function	F boolean	

F cmykcolor
F color
F expression
F integer
F next
F number
F numeric
F pair
F path
F pen
F property
F string
F symbol
F token
F transform

F whatever
set
setbytemap
setbytemapoctave
size
skip
F token
solve
string
systemmode
transform
triplet
tripletpoints
vprint

table
function
function
function
table

function
function
function
function
function
function

mplib (extra tex)

downgradebyte	function	injectcmymcolor	function
downsamplebyte	function	injectcolor	function
execute	function	injectinteger	function
expandtex	function	injectnumber	function
fillbyte	function	injectnumeric	function
finder	function	injectpair	function
finders	table	injectpath	function
F file		injectpoints	function
F mpstemplate		injectstring	function
finish	function	injecttokens	function
getbyte	function	injecttransform	function
getbyte	function	injectvector	function
getbyte	function	injectvectors	function
getcallbackstate	function	injectwhatever	function
getcodes	function	new	overloaded function
getcolormodels	function	newbyte	function
getfields	function	peninfo	function
gethashentries	function	processbyte	function
gethashentry	function	propertycodes	table
getinternalactions	function	realtime	boolean
getknotstates	function	scanboolean	function
getlastadddtype	function	scancmymcolor	function
getlogtargets	function	scancolor	function
getobjectdata	function	scanexpression	function
getobjectpeninfo	function	scaninteger	function
getobjectstacking	function	scannext	function
getobjecttypes	function	scannumber	function
getprimitivelegacies	function	scannumeric	function
getprimitiveorigins	function	scanpair	function
getprimitives	function	scanpath	function
getpruneoptions	function	scanpen	function
getresultstates	function	scanproperty	function
getscaledbits	function	scanstring	function
getscantypes	function	scansymbol	function
getstates	function	scantoken	function
getstatistics	function	scantransform	function
getstatus	function	setbyte	function
gettolerance	function	setbyte	function
gettype	function	settolerance	function
gettypes	function	showcontext	function
injectboolean	function	skiptoken	function

solvepath
version

function
function

nanojpeg (context)

decode function

noads (context)

getmathmode	function		F relocate
handlers	table		F render
F alternates			F showtree
F autofences			F snap
F classes			F spacing
F collapse			F suspicious
F dictionaries			F tags
F export			F unscript
F families			F unstack
F fencing			F variants
F intervals		process	function
F kernpairs		processnested	function
F makeup		processors	table
F normalize		processouter	function
F numbers			

node (basic tex)

checkdiscretionaries	function	F getanchors
checkdiscretionary	function	F getattribute
copy	function	F getattributelist
copylist	function	F getattributes
count	function	F getboth
currentattributes	function	F getbottom
dimensions	function	F getbottomdelimiter
direct	table	F getbox
F addmargins		F getcachestate
F addxoffset		F getchar
F addxymargins		F getchardict
F addyoffset		F getcharspec
F appendaftertail		F getchoice
F appendcurrenttail		F getclass
F beginofmath		F getcontinuation
F checkdiscretionaries		F getcontrol
F checkdiscretionary		F getcornerkerns
F collapsing		F getcurrenttail
F copy		F getdata
F copylist		F getdegree
F copyonly		F getdelimiter
F count		F getdenominator
F currentattributes		F getdepth
F dimensions		F getdirection
F effectiveglue		F getdisc
F endofmath		F getdiscpart
F exchange		F getexcept
F fields		F getexpansion
F findattribute		F getfam
F findattributerange		F getfield
F findnode		F getfielderror
F firstchar		F getfirstdirectioninlist
F firstglyph		F getfont
F firstglyphnode		F getfontcheck
F firstitalicglyph		F getgeometry
F flattendiscretionaries		F getglue
F flattenleaders		F getglyphdata
F flushlist		F getglyphdimensions
F flushnode		F getheight
F free		F getid
F freeze		F getidsubtype

F getidsubtypenext
F getindex
F getinputfields
F getkern
F getkerndimension
F getlanguage
F getleader
F getleftdelimiter
F getlist
F getlistdimensions
F getlocalparboxstate
F getmvlolist
F getnaturalwhd
F getnext
F getnodeerrorvalues
F getnodes
F getnormalizedline
F getnucleus
F getnumerator
F getoffsets
F getoptions
F getorientation
F getparstate
F getpenalty
F getpost
F getpre
F getprev
F getprime
F getpropertystable
F getproperty
F getreplace
F getrightdelimiter
F getruledimensions
F getscale
F getscales
F getscrip
F getscripts
F getshift
F getshort
F getslant
F getspeciallist
F getstate
F getsub
F getsubpre

F getsubtype
F getsup
F getsuppre
F gettop
F gettopdelimiter
F gettotal
F getusage
F getusedattributes
F getweight
F getwhd
F getwidth
F getwordrange
F getxscale
F getxyscales
F getsyscale
F gluetostring
F hasattribute
F hasdimensions
F hasdiscoption
F hasfield
F hasgeometry
F hasglyph
F hasglyphoption
F hasidsubtype
F hasoptions
F hasusage
F hpack
F hyphenating
F id
F ignoremathskip
F insertafter
F insertbefore
F insertcurrenthead
F isboth
F ischar
F ischarcheck
F ischardisc
F ischardiscsetcheck
F isdirect
F isfontcheck
F isglyph
F isitalicglyph
F isloop
F isnext

F isnextchar	F samefontcheck
F isnextcharcheck	F serialized
F isnextcharsetcheck	F setanchors
F isnextglyph	F setattribute
F isnode	F setattributelist
F isprev	F setattributes
F isprevchar	F setattributesinlist
F isprevcharcheck	F setboth
F isprevcharsetcheck	F setbottom
F isprevglyph	F setbottomdelimiter
F issimilarglyph	F setbox
F issnapped	F setchar
F isspeciallist	F setchardict
F isvalid	F setchoice
F iszeroglue	F setclass
F kerning	F setcontinuation
F lastnode	F setcontrol
F length	F setcurrenttail
F ligaturing	F setdata
F makeextensible	F setdegree
F markglyphprocessing	F setdelimiter
F migrate	F setdenominator
F mlisttohlist	F setdepth
F naturalhsize	F setdirection
F naturalwidth	F setdisc
F new	F setdiscpart
F newcontinuationatom	F setexcept
F newfontcheck	F setexpansion
F newmathglyph	F setfam
F newtextglyph	F setfield
F patchattributes	F setfielderror
F patchparshape	F setfont
F prependbeforehead	F setfontcheck
F prependcurrenttail	F setgeometry
F protectglyph	F setglue
F protectglyphs	F setglyphdata
F protectglyphsbase	F setheight
F protectglyphsnone	F setindex
F protrusionskipable	F setinputfields
F rangedimensions	F setkern
F remove	F setlanguage
F removefromlist	F setleader
F repack	F setleftdelimiter
F reverse	F setlink

F setlist	F todirect	
F setnext	F tonode	
F setnucleus	F toString	
F setnumerator	F tovaliddirect	
F setoffsets	F traverse	
F setoptions	F traversechar	
F setorientation	F traversecontent	
F setpenalty	F traverseglyph	
F setpost	F traverseid	
F setpre	F traverseitalic	
F setprev	F traverseleader	
F setprime	F traverselist	
F setproperty	F traversepossible	
F setreplace	F type	
F setrightdelimiter	F types	
F setruledimensions	F unprotectglyph	
F setscale	F unprotectglyphs	
F setscales	F unsetattribute	
F setscript	F unsetattributes	
F setscripts	F updatefirstandbotmark	
F setshift	F updatefirstmarks	
F setslant	F updatemarks	
F setsnapped	F updatetopmarks	
F setspeciallist	F usedlist	
F setsplit	F usesfont	
F setstate	F vbalance	
F setsub	F verticalbreak	
F setsubpre	F vpack	
F setsubtype	F write	
F setup	F xscaled	
F setsuppre	F yscaled	
F settop	effectiveglue	function
F settopdelimiter	endofmath	function
F settotal	family_font	function
F setweight	fields	function
F setwhd	findattribute	function
F setwidth	flattendiscretionaries	function
F show	flushlist	function
F size	flushnode	function
F slide	free	function
F softenhyphens	getattribute	function
F startofpar	getcachestate	function
F subtypes	getfield	function
F tail	getfielderror	function

getglue	function	rangedimensions	function
getnodeerrorvalues	function	remove	function
getpropertystable	function	serialized	function
getproperty	function	setattribute	function
gluetostring	function	setfield	function
hasattribute	function	setfielderror	function
hasfield	function	setglue	function
hasglyph	function	setproperty	function
hpack	function	show	function
hyphenating	function	size	function
id	function	slide	function
insertafter	function	subtypes	function
insertbefore	function	tail	function
instock	function	todirect	function
intracking	function	tonode	function
inuse	function	tostring	function
isnode	function	traverse	function
iszeroglue	function	traverseid	function
kerning	function	type	function
lastnode	function	types	function
length	function	unprotectglyph	function
ligaturing	function	unprotectglyphs	function
makeextensible	function	unsetattribute	function
mlisttohlist	function	usedlist	function
new	function	usesfont	function
protectglyph	function	vpack	function
protectglyphs	function	write	function
protrusionskipable	function		

nodes (context)

accentcodes	data table	fencecodes	data table
adaptive	table	fields	function
F handlehorizontal		fieldtypes	table
F handlevertical		fillcodes	data table
F set		fillvalues	data table
aligned	function	firstdirinbox	function
append	function	flush	function
apply	function	flushlist	function
applyvisuals	function	flushnode	function
astable	function	fractioncodes	data table
basepoints	function	fullhpack	function
boundarycodes	data table	getattr	function
boxes	table	getattribute	function
F count		getboth	function
F dimensions		getbox	function
F direct		getchar	function
F dispose		getfield	function
F found		getfont	function
F prune		getid	function
F reset		getleader	function
F restore		getlist	function
F save		getnext	function
F savenode		getprev	function
builders	table	getproperty	function
choicecodes	data table	getsubtype	function
concat	function	gluecodes	data table
copy	function	glyphcodes	data table
copy_node	function	handlers	table
copyleft	function	F adjusters	
countall	function	F aligncharacter	
currentattributes	function	F backgrounds	
delete	function	F backgroundspace	
destinations	table	F backgroundsvbox	
N attribute		F characters	
F handler		F checkglyphs	
dircodes	data table	F checkparcounter	
directioncodes	data table	F cleanupbox	
directionvalues	data table	F cleanuppage	
dirvalues	data table	F export	
disccodes	data table	F finalizebox	
discretionarycodes	data table	F finalizelist	

F flatten		isdirect	function
F flattenline		isnode	function
F mathalignrelocate		isnut	function
F mathmatrixornaments		kerncodes	data table
F mathmatrixrules		leftmarginwidth	function
F protectglyphs		linefillers	table
F recolor		F filler	
F show		F handler	
F showhyphenation		F set	
F showpreamble		lines	table
F stripping		D data	
F tabulateskip		F finalize	
F textbackgrounds		F number	
F unprotectglyphs		link	function
F visualizehyphenation		linked	function
F wipe		list	function
hasattribute	function	listcodes	data table
hasfield	function	listtoutf	function
hpack	function	literalvalues	data table
idsandsubtypes	function	locate	function
idstostring	function	markcodes	data table
injections	table	markers	table
F copy		F get	
F getligaindex		F set	
F getthreshold		mathcodes	data table
F handler		mathvalues	data table
F installgetspaceboth		maxboxwidth	function
F installnewkern		new	function
F isspace		noadcodes	data table
F keepcounts		nodecodes	data table
F reset		nopts	function
F resetcounts		nuts	table
F setcursive		F addmargins	
F setkern		F addxoffset	
F setligaindex		F addxymargins	
F setmark		F addyoffset	
F setmove		F append	
F setposition		F appendaftertail	
F setspacekerns		F apply	
insertafter	function	F applyvisuals	
insertbefore	function	F beginofmath	
insertlistafter	function	F checkdiscretionaries	
installattributehandler	function	F checkdiscretionary	
is_display_math	function	F checkslide	

F collapsing	F getboxglue
F concat	F getchar
F copy	F getchardict
F copy_properties	F getcharspec
F copylist	F getchoice
F copynode	F getclass
F copyonly	F getcomponents
F copyvisual	F getcontinuation
F count	F getcontrol
F countall	F getcornerkerns
F currentattributes	F getdata
F delete	F getdegree
F dimensions	F getdelimater
F dirdimensions	F getdenominator
F effectiveglue	F getdepth
F endofmath	F getdirection
F exchange	F getdisc
F findattribute	F getdiscpart
F findattributerange	F getdiscretionary
F findnode	F getexcept
F firstchar	F getexpansion
F firstglyph	F getfam
F firstglyphnode	F getfield
F firstitalicglyph	F getfirstdirectioninlist
F flattendiscretionaries	F getfont
F flattenleaders	F getfontcheck
F flush	F getgeometry
F flushlist	F getglue
F flushnode	F getglyphdata
F free	F getglyphdimensions
F freeze	F getheight
F fullhpack	F getid
F fullhpackrl	F getidsubtype
F getanchors	F getidsubtypenext
F getattr	F getindex
F getattribute	F getinputfields
F getattributelist	F getkern
F getattributes	F getkerndimension
F getattrlist	F getlang
F getattns	F getlanguage
F getboth	F getleader
F getbottom	F getleftdelimater
F getbottomdelimater	F getlist
F getbox	F getlistdimensions

F getlocalparboxstate
F getmiddle
F getmiddledelimiter
F getmvlolist
F getnaturalwhd
F getnext
F getnormalizedline
F getnucleus
F getnumerator
F getoffsets
F getoptions
F getorientation
F getparstate
F getpenalty
F getpost
F getpre
F getprev
F getprime
F getprop
F getreplace
F getrightdelimiter
F getruledata
F getruledimensions
F getscale
F getscales
F getscrip
F getscrip
F getshift
F getshort
F getslant
F getspeciallist
F getstate
F getsub
F getsubpre
F getsubtype
F getsup
F getsuppre
F getsurround
F gettop
F gettopdelimiter
F gettotal
F getusedattributes
F getvalue
F getweight

F getwhd
F getwidth
F getwordrange
F getxscale
F getxyscales
F getscale
F gluetostring
F hasattribute
F hasdimensions
F hasdiscoption
F hasfield
F hasgeometry
F hasglyph
F hasglyphoption
F hasidsubtype
F hasoptions
F hpack
F hyphenating
F ignoremathskip
F insertafter
F insertbefore
F insertlistafter
F is_display_math
F isboth
F ischar
F ischarcheck
F ischardiscsetcheck
F isdirect
F isdone
F isglyph
F isitalicglyph
F isnext
F isnextchar
F isnextcharcheck
F isnextcharsetcheck
F isnextglyph
F isnode
F isnut
F isprev
F isprevchar
F isprevcharcheck
F isprevcharsetcheck
F isprevglyph
F issimilarglyph

F issnapped	F setattribute
F iszeroglue	F setattributelist
F kerning	F setattributes
F lastnode	F setattributesinlist
F length	F setattrlist
F ligaturing	F setattrrs
F link	F setattrrsinlist
F linked	F setboth
F locate	F setbottom
F migrate	F setbox
F migratebox	F setboxglue
F mlisttohlist	F setchar
F naturalhsize	F setchardict
F naturalwidth	F setchoice
F nestedtracedslide	F setclass
F new	F setcomponents
F newcontinuationatom	F setcontinuation
F newfontcheck	F setcontrol
F newmathglyph	F setdata
F openup	F setdegree
F patchattributes	F setdelimiter
F patchparshape	F setdenominator
F prepend	F setdepth
F prependbeforehead	F setdirection
F processranges	F setdisc
F processwords	F setdiscpart
F protectglyph	F setdiscretionary
F protectglyphs	F setexcept
F protectglyphsbase	F setexpansion
F protectglyphsnone	F setfam
F protrusionskipppable	F setfield
F rangedimensions	F setfont
F rawprop	F setfontcheck
F reference	F setgeometry
F rehpick	F setglue
F remove	F setglyphdata
F removefromlist	F setheight
F repack	F setinputfields
F repackhlist	F setkern
F replace	F setlang
F reverse	F setlanguage
F serialized	F setleader
F setanchors	F setleftdelimiter
F setattr	F setlink

F setlist	F softenhyphens
F setmiddledelimiter	F somepenalty
F setnext	F somespace
F setnucleus	F splitbox
F setnumerator	F startofpar
F setoffsets	F striprange
F setoptions	F tail
F setorientation	F takeattr
F setparproperty	F takebox
F setpenalty	F takelist
F setpost	F theprop
F setpre	F tonode
F setprev	F tonodes
F setprime	F tonut
F setprop	F tosequence
F setreplace	F toString
F setrightdelimiter	F tracedslide
F setruledata	F traverse
F setruledimensions	F traversechar
F setscale	F traversecontent
F setscales	F traverseglyph
F setscript	F traverseid
F setscripts	F traverseitalic
F setshift	F traverseleader
F setslant	F traverselist
F setsnapped	F traversepossible
F setspeciallist	F unprotectglyph
F setsplit	F unprotectglyphs
F setstate	F unsetattribute
F setsub	F unsetattributes
F setsubpre	F untracedslide
F setsubtype	F updatefirstandbotmark
F setup	F updatefirstmarks
F setsuppre	F updatemarks
F setsurround	F updatetopmarks
F settop	F usedlist
F setvalue	F usesfont
F setvisual	F verticalbreak
F setvisuals	F vianodes
F setweight	F vianuts
F setwhd	F vpack
F setwidth	F write
F show	F xscaled
F slide	F yscaled

packlist	function	F process	
parcodes	data table	F set	
penaltycodes	data table	F userrule	
points	function	serialize	function
pool	table	serializebox	function
F baselineskip		serialized	function
F cleanup		setattr	function
F directliteral		setattribute	function
F glyph		setattrlist	function
F hlist		setboth	function
F latelua		setbox	function
F leader		setboxtonaturalwd	function
F lineskip		setchar	function
F literal		setfield	function
F originliteral		setfont	function
F register		setleader	function
F restore		setlink	function
F save		setlist	function
F savepos		setnext	function
F setmatrix		setprev	function
F stock		setProperty	function
F usage		shadows	table
F usernode		F handler	
F vlist		F set	
prepend	function	shifts	table
print	function	F handler	
processors	table	F set	
F trace_glyph_run_a		showboxes	function
F trace_glyph_run_b		showlist	function
properties	table	showsimplelist	function
pts	function	skipcodes	data table
radicalcodes	data table	snapshots	table
references	table	F getsamples	
N attribute		F resetsamples	
F handler		F takesample	
rehpack	function	somepenalty	function
remove	function	somespace	function
repackhlist	function	specialskipcodes	table
replace	function	splitbox	function
report	function	startofpar	function
rightmarginwidth	function	stripdiscctionaries	function
rulecodes	data table	stripping	table
rules	table	F set	
F handler		subtypes	data table

tail	function	F resetproperties	
takeattr	function	F rule	
takebox	function	F setlist	
tasks	table	F setproperties	
F actions		F start	
F appendaction		F stop	
F disableaction		traverse	function
F disablegroup		traverseid	function
F enableaction		typesetters	table
F enablegroup		F hbox	
F freeze		F hpack	
F freezegroup		F tohbox	
F new		F tohpack	
F prependaction		F tonodes	
F removeaction		F tovbox	
F replaceaction		F tovpack	
F restart		F vpack	
F setaction		unsetattribute	function
F showactions		upcomingproperties	function
F table		usedlist	function
tobasepoints	function	vianodes	function
tocentimeters	function	vianuts	function
toxiceros	function	visualizebox	function
todidots	function	visualizers	table
todimen	function	F attribute	
toinches	function	F box	
tomillimeters	function	F definelayer	
tonode	function	F enable	
tonodes	function	F getusedfont	
tonut	function	F handler	
topicas	function	F markfonts	
topoints	function	F register	
toscaledpoints	function	F registercache	
tosequence	function	F setfont	
tostring	function	F setlayer	
totable	function	F setruledglyph	
totree	function	F setvisual	
toutf	function	vpack	function
tracers	table	whatsitcodes	data table
F directions		write	function
F fontchar			

number (context)

	function
basepoints	function
bytetodecimal	function
clamp	function
compactfloat	function
decimaltobyte	function
dimenfactors	data table
formatted	function
formattedfloat	function
formattedinteger	function
fractiontobyte	function
idiv	function
maxdimen	number
nopts	function
nubasepoints	function
nupoints	function
percent	function
points	function
pts	function
signed	function
sparseexponent	function

splitdimen	function
tol6dot16	function
tobasepoints	function
tobitstring	function
tocentimeters	function
toxiceros	function
tocontext	function
todidots	function
todimen	function
toediths	function
toevenhex	function
toinches	function
tomillimeters	function
tonumberf	function
tonumberg	function
topicas	function
topoints	function
toscaled	function
toscaledpoints	function
totoves	function
valid	function

objects (context)

data	table	page	function
dimensions	function	reference	function
found	function	register	function
n	number	restore	function

optional (context)

curl table

F escape
F fetch
F getversion
F initialize
F unescape

foreign table

F abivalues
F getbuffer
F initialize
F load
F newbuffer
F totable
F types

ghostscript table

F execute
F initialize

graphicsmagick table

F execute
F getnoisetypes
F initialize

hb table

F getshapers
F getversion
F initialize
F loadfont
F shapestring

imagemagick table

F execute
F initialize

kpse table

F expand_braces
F expand_path
F expand_var
F find_file
F find_files
F get_file_types
F initialize
F readable_file
F set_program_name
F var_value

library table

F load

loaded table

lz4 table

F compress
F decompresssize
F framecompress
F framedecompress
F initialize

lzma table

F compress
F decompress
F initialize

lzo table

F compress
F decompresssize
F initialize

mujs table

F dofile
F execute
F initialize
F reset
F setclosefile
F setconsole
F setfindfile
F setopenfile
F setreadfile
F setseekfile

mysql table

F close
F execute
F getmessage
F initialize
F open

openssl table

F getversion
F initialize
F sign
F verify

postgres table

F close

F execute		F open	
F getmessage		zint	table
F initialize		F execute	
F open		F initialize	
sqlite	table	zstd	table
F close		F compress	
F execute		F decompress	
F getmessage		F initialize	
F initialize			

os (basic lua)

__getenv__	function	platform	string
__setenv__	function	remove	overloaded function
binsuffix	string	rename	overloaded function
binsuffixes	table	resultof	function
bits	number	runtime	function
clock	function	selfarg	table
converttime	function	selfbin	string
date	overloaded function	selfcore	string
difftime	function	selfdir	string
enableansi	function	selflink	string
env	data table	selfname	string
execute	overloaded function	selfpath	string
exit	overloaded function	serialwrite	function
fulltime	function	setenv	overloaded function
getcodepage	function	setexitcode	function
getenv	overloaded function	setlocale	overloaded function
getnamevalues	function	sleep	function
gettimeofday	function	startuptime	function
gettypevalues	function	time	function
getunamefields	function	timezone	function
isleapyear	function	tmpname	function
launch	function	today	function
libsuffix	string	type	string
localtime	function	uname	function
name	string	uuid	function
newline	string	validdatetime	function
nofdays	function	weekday	function
now	function	where	function
pipeto	function	which	function

package (basic lua)

config	string	loadlib	function
cpath	string	luapaths	function
extralibpath	function	path	string
extralibpaths	function	poplibpath	function
extralupath	function	popluapath	function
extralupaths	function	preload	table
helpers	table	pushlibpath	function
libpaths	function	pushluapath	function
loaded	table	searchers	table
loaders	table	searchpath	function

pagebuilders (context)

columnsets table

F add
F addmvl
F block
F blockrows
F check
F checkmvl
F clean
F define
F definesub
F delayedsheet
F finishflush
F flushareas
F flushcolumn
F goto
F gotoslot
F limit
F noto
F prepareflush
F presetsheets
F presetspreadsheets
F put
F putdirect
F registerarea
F registersheet
F registerspreadsheets
F reset
F resetdirect

F reshape
F setarea
F setextra
F sethsize
F sethspan
F setlines
F setmvl
F setpresent
F setproperties
F setstart
F shape
F showshape
F state
F status
F submvl
F submvlbalance

injections table

F flushafter
F flushbefore
F save

mixedcolumns table

F cleanup
F finalize
F getlist
F getrest
F getsplit
F setsplit

pdf (context)

immediateobj function

pdf (extra tex)

arraytotable	function
close	function
closestream	function
dictionarytotable	function
getarray	function
getboolean	function
getbox	function
getcatalag	function
getdictionary	function
getencodingvalues	function
getfieldtypes	function
getfromarray	function
getfromdictionary	function
getfromobject	function
getfromreference	function
getfromstream	function
getinfo	function
getinteger	function
getmemoryusage	function
getname	function
getnofobjects	function
getnofpages	function

getnumber	function
getobjectrange	function
getpage	function
getpages	function
getpermissions	function
getsize	function
getstatus	function
getstatusvalues	function
getstream	function
getstring	function
gettrailer	function
getversion	function
new	function
open	function
openfile	function
openstream	function
pagestotable	function
readfromstream	function
readwholestream	function
type	function
unencrypt	function

physics (context)

units table

F registershortcut

F registerunit

D tables

pngdecode (extra tex)

applyfilter	function	setexperiment	function
expand	function	splitmask	function
frompalette	function	tocmyk	function
interlace	function	togray	function
makemask	function	tomask	function
palettemask	function	transparentmask	function
reduce	function		

posit (extra lua)

NaN	function	exp2	function
NaR	function	expand	function
__add	function	floor	function
__band	function	frombyte	function
__bor	function	fromchar	function
__bxor	function	fromposit	function
__div	function	integer	function
__eq	function	log	function
__le	function	log10	function
__lt	function	log1p	function
__mul	function	log2	function
__name	string	logb	function
__pow	function	max	function
__shl	function	min	function
__shr	function	modf	function
__sub	function	new	function
__tostring	function	pow	function
__unm	function	rotate	function
abs	function	round	function
acos	function	rounded	function
asin	function	shift	function
atan	function	sin	function
band	function	sqrt	function
bor	function	tan	function
bxor	function	tobyte	function
ceil	function	tochar	function
conj	function	tonumber	function
copy	function	toposit	function
cos	function	tostring	function
exp	function		

potrace (extra tex)

checked	function
concat	function
contourplot	function
convert	function
count	function
flush	function
free	function
fromfile	function
getbitmap	function

getnewfields	function
getpolicyvalues	function
getprocessfields	function
new	function
process	function
setbitmap	function
stripped	function
totable	function
trace	function

publications (context)

addtexentry	function	concatstate	function
analyze	function	converttoxml	function
anywhere	function	currentspecification	table
authorcache	data table	S author	
authorcollapsers	data table	S comment	
authorhashers	table	S copyright	
F invertedshort		S name	
F normal		S version	
F normalinverted		D virtual	
F normalshort		datasets	table
F sequential		detailed	table
F sequentialshort		endnotes_to_btx	function
F short		enhancer	table
authormap	data table	S arguments	
authortoregister	function	B dirty	
btx	table	N steps	
casters	table	enhancers	table
F author		F details	
F keyword		F order	
F pagenumber		F suffixes	
F range		finder	function
checkeddataset	function	firstofrange	function
citevariants	table	found	function
F author		get	function
F authornum		getcasted	function
F authoryear		getdetail	function
F authoryears		getdirect	function
F category		getfaster	function
F default		getfield	function
F entry		getfuzzy	function
F index		getindex	function
F keywords		inspectors	data table
F num		journals	table
F page		F abbreviated	
F short		F add	
F tag		F expanded	
F textnum		F load	
F year		F save	
collected	data table	lastofrange	function
components	table	lists	table
F author		F collectentries	

F combiinlist		F xml	
F fetchentries		search	function
F filterall		setcategory	function
F flushcombi		setspecification	function
F flushentry		singularorplural	function
F flushtag		sortedentries	function
F nofregistered		sortmethods	table
F prepareentries		specifications	table
F register		splitauthor	function
F sameasprevious		splitoneauthor	function
F uservariable		statistics	table
listvariants	table	N nofbytes	
F default		N nofdatasets	
F index		N nofdefinitions	
F num		N nofshortcuts	
F short		tables	table
F tag		D implicits	
load	function	D origins	
loadbibdata	function	D privates	
loaddefinitionfile	function	D sets	
loaders	table	D specials	
F bbl		D types	
F bib		D virtuals	
F buffer		tags	function
F endnote		tracers	table
F json		F showdatasetauthors	
F lua		F showdatasetcompleteness	
F refman		F showdatasetfields	
F registercleaner		F showentry	
F xml		F showfields	
loadreplacementfile	function	F showhashedauthors	
meanings	table	F showtables	
new	function	F showvariants	
okay	function	typesetters	table
oneorange	function	F author	
parenttag	function	F string	
permitted	function	usedataset	function
prerollcmdstring	function	usedentries	function
refman_to_btx	function	writers	table
resolvedname	function	F author	
save	function	F keyword	
savers	table	F pagenumber	
F bib		F range	
F lua			

qrcodegen (context)

bitmap function

generate function

regimes (context)

backmapping	data table
cleanup	function
disable	function
enable	function
fromregime	function
list	function

mapping	data table
pop	function
process	function
push	function
toregime	function
translate	function

resolvers (context)

allprefixes	function	findfiles	function
appendhash	function	findgivenfile	function
automount	function	findgivenfiles	function
booleanvariable	function	findlib	function
cacheversion	string	findpath	function
checkedvariable	function	findpk	function
cleanedpathlist	function	findtexfile	function
cleaners	data table	findwildcardfile	function
cleanpath	function	findwildcardfiles	function
cleanpathlist	function	formatofsuffix	function
cleanupbinfile	function	formatofvariable	function
concatinators	data table	formats	data table
configbanner	string	foundintree	function
configurationfiles	function	foundintrees	function
dangerous	data table	generators	data table
datastate	function	get_from_content	function
decompressors	table	getdetails	function
F register		getenv	function
F unregister		getextrapaths	function
defaultsuffixes	table	getfilehashes	function
dirstatus	function	gethashes	function
dowithfilesandreport	function	getownpath	function
dowithfilesintree	function	getreadfilename	function
dowithpath	function	hashers	data table
dowithvariable	function	homedir	string
executers	table	ignorelibrary	function
expandbraces	function	initialized	function
expandedpathfromlist	function	installinputfilehandler	function
expandedpathlist	function	installinputlinehandler	function
expandedpathlistfromvariable	function	jobpath	function
expandpath	function	jobs	table
expandpathfromvariable	function	F collectstructure	
expansion	function	F currentcomponent	
extendtexmfvariable	function	F currentenvironment	
filtered_from_content	function	F currentproduct	
find_file	function	F currentproject	
find_files	function	F currentstructure	
findbinfile	function	F justacomponent	
findctxfile	function	F namelist	
finders	data table	D processors	
findfile	function	F productcomponent	

F usefile		registerextrapath	function
joinpath	function	registerfile	function
knownvariables	function	registerfilehash	function
libraries	table	registerintrees	function
F optionalloaded		registermethod	function
F validoptional		registerzipfile	function
load	function	relations	data table
loadbinfile	function	renew	function
loaders	data table	renewcache	function
loadlualib	function	repath	function
loadtexfile	function	reset	function
loadtime	function	resetextrapaths	function
locateformat	function	resetresolve	function
locators	data table	resolve	function
luacnffallback	string	savers	data table
luacnfname	string	scandata	function
luacnfspec	string	scanfiles	function
luacnfstate	string	schemes	table
macros	table	F cleanname	
F convertfile		F fetchstring	
F decodecomment		F fetchtable	
F enablecomment		F install	
F encodecomment		setdynamic	function
F preprocessed		setenv	function
F processmk		showdetails	function
F processmklx		showpath	function
F processmkvi		simplescanfiles	function
F version		splitconfigurationpath	function
maxreadlevel	number	splitexpansions	function
methodhandler	function	splitmethod	function
missinglibrary	function	splitpath	function
openbinfile	function	stackpath	function
openers	data table	starttiming	function
openfile	function	stoptiming	function
opentexfile	function	suffices	data table
ownpath	string	suffixmap	data table
popextrapath	function	suffixofformat	function
popinputname	function	texdatablob	function
poppath	function	toppath	function
prefixes	data table	tracers	data table
prependhash	function	unexpandedpath	function
pushextrapath	function	unexpandedpathlist	function
pushinputname	function	unresolve	function
pushpath	function	updaterelations	function

updatescript	function	variable	function
uselibrary	function	variableofformat	function
usertypes	data table	variableofformatorsuffix	function
usezipfile	function	wildcardpattern	function
validatedpath	function		

sandbox (context)

blockrequire	function
disablelibraries	function
disablerunners	function
enable	function
filehandlerone	function
filehandlertwo	function
finalizer	function
getrunner	function
initializer	function
iohandler	function
logcalls	function
logfiles	function
original	function
overload	function

possiblepath	function
redefine	function
register	function
registerbinary	function
registerlibrary	function
registerroot	function
registerrunner	function
report	function
setfilenamelogger	function
setlogger	function
setreporter	function
settrace	function
validfilename	function

scripts (context)

autofontfeature table

F disable
F enable
F handler

colors data table

decomposehangul function

defaults table

N inter_char_half_shrink_factor
N inter_char_half_stretch_factor
N inter_char_hangul_penalty
N inter_char_quarter_shrink_factor
N inter_char_quarter_stretch_factor
N inter_char_shrink_factor
N inter_char_stretch_factor
N inter_word_stretch_factor

getdata function

getinjector function

getsplitter function

getstatus function

handlers data table

helpers data table

injectors data table

inserters table

F nobreakspace_after

F nobreakspace_before

F space_after

F space_before

F zerowidthspace_after

F zerowidthspace_before

installdataset function

installmethod function

numbertodataset data table

numbertohandler data table

reset function

set function

setstatus function

splitters data table

serial (context)

__gc	function
__name	string
__tostring	function
close	function

open	function
send	function
tostring	function
write	function

set (context)

contains function

create function

tolist function

tonumber function

totable function

sha2 (extra lua)

HASH256	function
HASH384	function
HASH512	function
HEX256	function
HEX384	function
HEX512	function
digest256	function
digest384	function
digest512	function

hash256	function
hash384	function
hash512	function
hex256	function
hex384	function
hex512	function
sum256	function
sum384	function
sum512	function

sio (extra lua)

read2dot14 function
readbytes function
readbytetable function
readcardinal1 function
readcardinal1le function
readcardinal2 function
readcardinal2le function
readcardinal3 function
readcardinal3le function
readcardinal4 function
readcardinal4le function
readcardinaltable function
readcline function
readcstring function
readdouble function
readdoublele function
readfixed2 function
readfixed4 function
readfloat function
readfloatle function

readfloatle12 function
readfloatle6 function
readinteger1 function
readinteger1le function
readinteger2 function
readinteger2le function
readinteger3 function
readinteger3le function
readinteger4 function
readinteger4le function
readintegertable function
tocardinal1 function
tocardinal1le function
tocardinal2 function
tocardinal2le function
tocardinal3 function
tocardinal3le function
tocardinal4 function
tocardinal4le function

socket (extra lua)

BLOCKSIZE	number	sinkt	table
_SETSIZE	number	F close-when-done	
_SOCKETINVALID	number	F default	
bind	function	F http-chunked	
choose	function	F keep-open	
connect	function	skip	function
connect4	function	sleep	function
connect6	function	source	function
dns	table	sourcet	table
F getaddrinfo		F by-length	
F gethostname		F default	
F getnameinfo		F http-chunked	
F tohostname		F until-closed	
F toip		tcp	function
gettime	function	tcp4	function
headers	table	tcp6	function
F lower		tp	table
F normalize		N TIMEOUT	
http	table	F connect	
N TIMEOUT		try	function
S USERAGENT		url	table
F genericform		F absolute	
F open		F build	
F request		F build_path	
newtry	function	F escape	
protect	function	F parse	
report	function	F parse_path	
select	function	F unescape	
sink	function		

sorters (context)

basicsorter function

comparers table

 F basic

constants table

 S defaultdigits

 S defaultlanguage

 S defaultmethod

 N digitmaximum

 N digitoffset

 N ignoredoffset

 N replacementoffset

definitions data table

firstofsplit function

packch function

packuc function

replacementlist function

setlanguage function

sort function

splitters table

 F utf

strip function

tracers data table

update function

sparse (extra lua)

concat	function
get	function
max	function
min	function
new	function

range	function
restore	function
set	function
traverse	function
wipe	function

statistics (context)

benchmarktimer	function	hastiming	function
checkfmtstatus	function	memused	function
currenttime	function	register	function
elapsed	function	resettiming	function
elapsedindeed	function	runtime	function
elapsedseconds	function	savefmtstatus	function
elapsedtime	function	show	function
enable	boolean	showmemory	function
feedback	table	showusage	function
F info		starttiming	function
F processstates		stoptiming	function
F register		threshold	number
F reportstates		timed	function
F setstate		tracefunction	function
formatruntime	function		

status (basic tex)

getbalancestate	function	getluastate	function
getbufferstate	function	getmarkstate	function
getcallbackstate	function	getmvlstate	function
getconstants	function	getneststate	function
getdumpstate	function	getnodestate	function
geterrorlinestate	function	getparameterstate	function
geterrorstate	function	getpoolstate	function
getexpandstate	function	getreadstate	function
getfilestate	function	getsavestate	function
getfontstate	function	getsparsestate	function
gethalferrorlinestate	function	getstringstate	function
gethashstate	function	gettexstate	function
gethyphenationstate	function	gettokenstate	function
getinputstate	function	getwarningstate	function
getinsertstate	function	iocodes	table
getlanguagestate	function	list	function
getlinebreakstate	function	resetmessages	function
getlookupstate	function		

storage (context)

allocate	function	noftables	number
data	table	register	function
mark	function	shared	data table
marked	function	storedfunctions	data table
max	number	strip	boolean
min	number	tofmodules	number
nofmodules	number	toftables	number

streams (context)

collect	function
disable	function
enable	function
flush	function
initialize	function

push	function
start	function
stop	function
synchronize	function

string (basic lua)

autodouble	function	optionalquoted	function
autosingle	function	pack	function
booleanstring	function	packrowscolumns	function
byte	function	packsize	function
bytepairs	function	quote	function
bytes	function	quoted	function
bytetable	function	rep	function
char	function	replacenewlines	function
characterpairs	function	reverse	function
characters	function	split	function
checkedsplit	function	splitintolines	function
chrtointeger	function	splitlines	function
collapsespaces	function	splitup	function
containsws	function	strip	function
count	function	sub	function
dectointeger	function	texhashed	function
dump	function	texnewlines	function
escapedpattern	function	tformat	function
escapedquotes	function	toHEX	function
f6	function	toboollean	function
find	function	tobytes	function
format	function	tocontext	function
formatter	function	todec	function
formatters	function	todimen	function
fullstrip	function	tohex	function
gmatch	function	tonodes	function
gsub	function	topattern	function
hashes	table	totable	function
hextocharacters	function	tounicode16	function
hextointeger	function	toutf	function
is_boolean	function	toutf16	function
is_empty	function	toutf32	function
itself	function	toutf8	function
len	function	tracedchar	function
limit	function	unescapedquotes	function
linetable	function	unpack	function
longtostring	function	unquote	function
lower	function	unquoted	function
match	function	upper	function
nospaces	function	utf16toutf8	function
octtointeger	function	utfcharacter	function

utfcharacters	function
utfcharacteretable	function
utflength	function
utfpadd	function
utfpadding	function
utftabletostring	function

utfvalue	function
utfvalues	function
utfvaluetable	function
valid	function
wordsplitter	function

structures (context)

atlocation	function	F record	
blocks	table	F reset	
D collected		F restart	
F define		F restore	
F empty		F save	
F print		F set	
F save		F setlevel	
F select		F setoffset	
F setstate		F setown	
D states		F setstate	
D tobesaved		F setvalue	
F uservariable		F subs	
bookmarks	table	D tobesaved	
F finalize		F value	
F flatten		F way	
F installhandler		currentsectionnumber	function
F merge		descriptions	table
S method		documents	table
F overload		D data	
F place		F initialize	
F register		F preset	
F setopened		F reset	
F setup		floats	table
counters	table	formulas	table
F add		helpers	table
F analyze		F analyze	
F check		F formulanumber	
D collected		F merged	
F compact		F page	
F converted		F pageofinternal	
F currentvalue		F prefix	
D data		F prefixlastpage	
F define		F prefixpage	
F first		F simplify	
F get		F title	
F isset		F touserdata	
F last		inserts	table
F next		F attach	
F prev		D data	
F previous		F define	
F raw		F detach	

- F getdata
- F getlocation
- F getname
- F getnumber
- F nofdetached
- F setlocation
- F setup
- D stored

itemgroups table

- D collected
- D tobesaved

lists table

- F addto
- F analyze
- F bookmark
- D cached
- D collected
- F discard
- F enhance
- F external
- F filter
- F formulainumber
- F getresult
- F groupindex
- F hasnumberdata
- F haspagedata
- F hastitledata
- F integrate
- F iscached
- D kinds
- F label
- F location
- D names
- F number
- D ordered
- F page
- F popnesting
- F prefix
- F prefixednumber
- F prefixedpage
- F process
- D pushed
- F pushnesting
- F rawnumber

- F rawrealpage
- F rawuserpage
- F realpage
- F reorder
- F reordered
- F savedlistnumber
- F savedlistprefixednumber
- F savedlisttitle
- D sectionblocks
- F size
- F title
- D tobesaved
- F use
- F userdata
- F userpage
- F uservalue

marks table

- F number
- F title

notes table

- F checkpagechange
- F define
- F flushrange
- F get
- F getdeltapage
- F getinternal
- F getn
- F getstate
- F getstorecount
- F getstoreflushed
- F hascontent
- F internal
- F internalid
- F listindex
- D numbers
- F ordered
- F postpone
- F resetpostponed
- F restore
- F save
- F setstate
- D states
- F store

pages table

F allmarked
F analyze
D collected
F fraction
F getlabels
F in_body
F is_odd
F mark
F marked
F markedlist
N nopages
F number
F on_right
F save
D tobesaved
F toranges

references

F analyze
F checked
F checkedfile
F checkedfileorurl
F checkedprogram
F checkedrealpage
F checkedurl
D collected
U componentsplitter
F currentmetadata
F currentorder
D currentset
F define
D defined
D derived
F enhance
D executers
F export
F filter
F filterdefault
D filters
D flaginternals
F forceinnermode
F from
D functions
F get
F getcurrentlabel

table

F getcurrentmetadata
F getcurrentprefixspec
F getinnermethod
F getinternalcachedlistreference
F getinternallistreference
F getinternalreference
F getoutermethod
D handlers
F identify
F import
F inject
F injectcurrentset
S innermethod
F integrate
D internals
F load
F loadpresets
F mark
S outermethod
F pagefromhash
D pages
U prefixsplitter
D productdata
F realpageofpage
F referenced
U referencesplitter
D referred
F referredpage
F registerfinalizer
F registerinitializer
F registerpage
F reset
D runners
F set
F setandgetattribute
F setinternalreference
F setlinkmethod
F setnextinternal
F setnextorder
F setreferencerealpage
F setstructure
D specials
F splitcomponent
F splitprefix

F splitreference		F fullnumber	
F synchronizepage		F getcurrentlevel	
D tobereferred		F getlevel	
D tobesaved		F getnumber	
D tracedpages		F internalreference	
D usedinternals		D levelmap	
D usedviews		D levels	
F valid		F matchingtilldepth	
registers	table	F numberatdepth	
F analyze		F numbers	
D collected		F popblock	
F compare		F prefixedconverted	
F define		F pushblock	
F enhance		F register	
F extend		D registered	
F filter		F reportstructure	
F filtercollected		F save	
F finalize		F set	
F findinternal		F setblock	
F flush		F setchecker	
F get		F setentry	
F integrate		F setinitialblock	
F prepare		F setlevel	
F process		F setnumber	
F setmethod		F showstructure	
F sort		F structuredata	
F store		F title	
D tobesaved		D tobesaved	
F tweak		F typesetnumber	
F unique		F userdata	
F use		B verbose	
F userdata		sets	table
sections	table	F define	
F autodepth		F get	
F cct		F getall	
D collected		D setlist	
F current		specials	table
F currentblock		D collected	
F currentid		F retrieve	
F currentlevel		F store	
F currentsectionindex		D tobesaved	
F depthnumber		synonyms	table
F finddata		F analyzed	
F findnumber		D collected	

F compare
F define
F enhance
F filter
F finalize
F firstuserpage
F flush
F isshown
F isused
F meaning
F pages
F prepare
F process
F register
F registershown
F registerused
F reset
F resetall
F resetlist
F resetshown
F resetused
F sort
F synonym
D tobesaved
F userpages

tags

F analyze
F checknesting
F current
F elementtag
F enabled
F exportbox
F finishexport
F getdescriptionindex
F getextradata
F getid
F getitemgroup
F getmetadata
F getoption
F getsorting
F getsynonym
F gettablecell
F gettabulatecell
F gettagreferencedescription

table

F handler
F initializeexport
D labels
F last
F lastinchain
F localexport
F locatedtag
D overloads
F pop
D properties
F push
F registerextradata
F registermetadata
F restart
F setaspect
F setattributefield
F setcodepoint
F setcombination
F setcombinationpair
F setconstruct
F setdescriptionindex
F setfigure
F setfloat
F setformulacontent
F sethighlight
F setitem
F setitemgroup
F setmpgraphic
F setnotation
F setnotationsymbol
F setparagraph
F setproperty
F setpublication
F setregister
F setsorting
F setsynonym
F settablecell
F settabulatecell
F settagdelimitedsymbol
F settagsubsentencesymbol
F setupexport
F setuserproperties
D specifications
F start

F stop

D taglist

F strip

table (basic lua)

append	function	pack	function
are_equal	function	prepend	function
combine	function	print	function
compact	function	remove	function
concat	function	reverse	function
contains	function	reversed	function
copy	function	save	function
count	function	sequenced	function
create	function	serialize	function
derive	function	setmetatablecall	function
deserialize	function	setmetatableindex	function
fastcopy	function	setmetatableindices	function
fastserialize	function	setmetatablenewindex	function
filtered	function	sort	function
flattened	function	sorted	function
fromhash	function	sortedhash	function
getn	function	sortedhashkeys	function
has_one_entry	function	sortedhashonly	function
hashed	function	sortedindexonly	function
identical	function	sortedkeys	function
imerge	function	sortedpairs	function
imerged	function	sparse	function
insert	function	strip	function
is_empty	function	sub	function
is_simple_table	function	swapped	function
keys	function	tocontext	function
load	function	tocsv	function
loweredkeys	function	tofile	function
makeweak	function	tohandle	function
merge	function	tohash	function
merged	function	toxml	function
mirrored	function	unique	function
move	function	unpack	function

tex (basic tex)

amcode	table	directives	data table
attribute	table	discoptioncodes	data table
attributetracking	function	discpartcodes	data table
automigrationcodes	data table	dontcomplain	function
autoparagraphcodes	data table	doublescriptoptioncodes	data table
badness	function	enableprimitives	function
badnessmodecodes	data table	equal	function
balance	function	error	function
balancecallbackcodes	data table	expandasvalue	function
boundaries	table	experiments	data table
D names		extraprimitives	function
D numbers		fatalerror	function
F system		fillcodes	data table
box	table	flagcodes	data table
boxcontinuationcodes	data table	fontidentifier	function
boxoptioncodes	data table	fontname	function
boxresources	table	forcehmode	function
F getbox		forceinputstatefile	function
F getdimensions		forceinputstateline	function
F save		fprint	function
F use		frozenparcodes	data table
breakcodes	data table	get	function
buildcodes	data table	getadjustoptionvalues	function
catcode	table	getalignmentcontextvalues	function
cccode	table	getamcode	function
charactercontrolcodes	data table	getappendadjustcontextvalues	function
charactertagcodes	data table	getappendmigratecontextvalues	function
chardef	function	getattribute	function
classoptioncodes	data table	getautomigrationvalues	function
codes	table	getautoparagraphvalues	function
conditionals	data table	getbadnessmodevalues	function
constants	data table	getbalancecallbackvalues	function
count	table	getbalanceparameterfields	function
cprint	function	getbalanceresultfields	function
ctdcatcodes	number	getbalancestepoptionvalues	function
ctxcatcodes	number	getbox	function
definefont	function	getboxcontinuationvalues	function
delcode	table	getboxdir	function
dimen	table	getboxoptionvalues	function
dimensiondef	function	getboxresourcebox	function
directioncodes	data table	getboxresourcedimensions	function

getbreakcontextvalues	function	getinsertcategoryvalues	function
getbuildcontextvalues	function	getinsertcontent	function
getcardinalvalue	function	getinsertdepth	function
getcatcode	function	getinsertdistance	function
getcccode	function	getinsertheight	function
getcharactercontrolvalues	function	getinsertlimit	function
getcharactertagvalues	function	getinsertmaxplaced	function
getcount	function	getinsertmultiplier	function
getcurrentmvl	function	getinsertoptionvalues	function
getdelcode	function	getinsertsplitvalues	function
getdelcodes	function	getinsertwidth	function
getdimen	function	getintegervalue	function
getdimensionvalue	function	getinteraction	function
getdirectionvalues	function	getinteractionmodes	function
getdiscoptionvalues	function	getiovalues	function
getdiscpartvalues	function	getkerneloptionvalues	function
getdoublescriptoptionvalues	function	getkernoptionvalues	function
getemptyparagraphmodevalues	function	getlargestusedmark	function
geterrorrecoverymodevalues	function	getlccode	function
geterrorvalues	function	getlinebreakparameterfields	function
getfillvalues	function	getlinebreakresultfields	function
getflagvalues	function	getlinebreakstatevalues	function
getfloat	function	getlinedir	function
getfontdimension	function	getlist	function
getfontofffamily	function	getlistanchorvalues	function
getfrozenparvalues	function	getlistfields	function
getglue	function	getlistgeometryvalues	function
getglueoptionvalues	function	getlistsignvalues	function
getglyphdata	function	getlocalbox	function
getglyphdiscvalues	function	getlocalboxlocations	function
getglyphoptionvalues	function	getlocallevel	function
getglyphprotectionvalues	function	getmark	function
getglyphscales	function	getmarknames	function
getglyphscript	function	getmath	function
getglyphstate	function	getmathclassoptionvalues	function
getgroupvalues	function	getmathcode	function
gethccode	function	getmathcodes	function
gethelptext	function	getmathcontrolvalues	function
gethmcodes	function	getmathdir	function
gethyphenationvalues	function	getmathgluevalues	function
getitypes	function	getmathoptionvalues	function
getinputstatefile	function	getmathparametervalue	function
getinputstateline	function	getmathscriptordervalue	function
getinputstatemode	function	getmathscriptsmodevalue	function

getmathstylenamevalues	function	getrunstate	function
getmathstylevalues	function	getrunstatevalues	function
getmathstylevariant	function	getsfcode	function
getmathsurroundvalues	function	getshapingpenaltiesvalues	function
getmathvariantpresets	function	getskip	function
getmathvariantvalues	function	getsnappingvalues	function
getmeasure	function	getspacefactorvalues	function
getmissingcharactervalues	function	getspaceskipvalues	function
getmode	function	getspcode	function
getmodevalues	function	getspecialmathclassvalues	function
getmuglue	function	getspecification	function
getmuskip	function	getspecificationoptionvalues	function
getmvloptionvalues	function	gettextcontrolvalues	function
getnest	function	gettextdir	function
getnestfields	function	gettoks	function
getnestlevel	function	getuccode	function
getnoadoptiovalues	function	getuleaderlocationvalues	function
getnormalizelinevalues	function	getunitclassvalues	function
getnormalizeparvalues	function	getusedmarks	function
getnospacesmodevalues	function	getvsplitcontextvalues	function
getoutputactive	function	glue	table
getoverloadstate	function	glueoptioncodes	data table
getpacktypevalues	function	glyphdiscodes	data table
getpagecontextvalues	function	glyphoptioncodes	data table
getpagestate	function	groupcodes	data table
getpagestatevalues	function	hashtokens	function
getparagraphfillmodevalues	function	hccode	table
getparagraphoptionvalues	function	hmcode	table
getparametermodevalues	function	hshcatcodes	number
getparcontextvalues	function	hyphenationcodes	data table
getpardataspecifications	function	ifs	data table
getpardir	function	inimatcodes	number
getparmodevalues	function	insertcategorycodes	data table
getparstate	function	insertoptioncodes	data table
getparstatefields	function	insertsplitcodes	data table
getpartriggervvalues	function	integerdef	function
getpenaltyoptionvalues	function	interactioncodes	data table
getpositvalue	function	isattribute	function
getprepoststatevalues	function	isbox	function
getprimitivelegacies	function	iscount	function
getprimitiveorigins	function	isdefined	function
getprotrusionboundaryvalues	function	isdimen	function
getregisterindex	function	isfloat	function
getruleoptionvalues	function	isglue	function

ismuglue	function	N mathfirstuserclass
ismuskip	function	N mathlastuserclass
isprintable	function	N maxattributeregisterindex
isskip	function	N maxboxregisterindex
istoks	function	N maxbytecodeindex
lastnodetype	function	N maxcalculatedbadness
lccode	table	N maxcardinal
less	function	N maxcharactercode
lessequal	function	N maxdatavalue
linebreak	function	N maxdimen
linebreakstatecodes	data table	N maxdimenregisterindex
listanchorcodes	data table	N maxdimension
listgeometrycodes	data table	N maxdimensionregisterindex
lists	table	N maxendlinecharacter
listsigncodes	data table	N maxfloatregisterindex
luacatcodes	number	N maxfontadjustshrinkfactor
magicconstants	table	N maxfontadjuststep
S activecharacternamespace		N maxfontadjuststretchfactor
N allfitnessvalues		N maxfunctionreference
N assumedmathcontrol		N maxglueregisterindex
N awfulbad		N maxhalfvalue
N decentcriterion		N maxhalfword
N defaultcatcodetable		N maxinteger
N defaultcharactercontrol		N maxintegerregisterindex
N defaultdeadcycles		N maxintregisterindex
N defaulteqnogapstep		N maxlimitedscale
N defaultthangafter		N maxmarkindex
N defaultoutputbox		N maxmathclasscode
N defaultpredisplaygap		N maxmathfamilyindex
N defaultrule		N maxmathscalingfactor
N defaultspacefactor		N maxmathstylescale
N defaulttolerance		N maxmuglueregisterindex
N deplorable		N maxmvlindex
N ejectpenalty		N maxnewlinecharacter
N ignoreddepth		N maxnofbytecodes
N infinitebad		N maxnofcatcodetables
N infinitepenalty		N maxnoffitnessvalues
N infinity		N maxnoffonts
N largewidthexcess		N maxnoflanguages
N loosecriterion		N maxnofmarks
N mathallclass		N maxnofmathfamilies
N mathbeginclass		N maxquarterword
N mathdefaultpenalty		N maxscalefactor
N mathendclass		N maxsizeofword

N maxspacefactor		mathparametercodes	data table
N maxtoksregisterindex		mathscriptordercodes	data table
N maxtwinlength		mathscriptsmodecodes	data table
N mincardinal		modelevels	table
N mindatavalue		N horizontal	
N mindimen		N math	
N mindimension		N unset	
N minhalfword		N vertical	
N mininfinity		modes	data table
N mininteger		mprint	function
N minmvlindex		muglue	table
N minnofitnessvalues		muskip	table
N minquarterword		mvloptioncodes	data table
N minscalefactor		nest	table
N minspacefactor		nilcatcodes	number
N nocatcodetable		noadoptioncodes	data table
N null		normalizelinecodes	data table
N nullflag		normalizeparcodes	data table
N nullfont		nospacesmodecodes	data table
N onebp		notcatcodes	number
N presetrulethickness		number	function
N runningrule		paragraphfillmodecodes	data table
N saparthigh		paragraphoptioncodes	data table
N sapartlow		parcontextcodes	data table
N sapartmiddle		partriggercodes	data table
N smallstretchability		penaltyoptioncodes	data table
N specialspacefactor		poplocal	function
N texeqtbsize		popsavelevel	function
N texhashprime		posit	table
N texhashsize		positdef	function
N texmemorymode		preparelinebreak	function
N two		primitives	function
N undefinedmathparameter		print	function
N unity		protrusionboundarycodes	data table
N unusedattributevalue		prtcacodes	number
N unusedmathfamily		pushlocal	function
N unusedmathstyle		pushsavelevel	function
N unusedscriptvalue		quitlocal	function
N unusedstatevalue		quittoks	function
N zeroglue		resetparagraph	function
mathchardef	function	rlncatcodes	number
mathcode	table	romannumeral	function
mathcontrolcodes	data table	round	function
mathoptioncodes	data table	ruleoptioncodes	data table

runlocal	function	setmathdir	function
runstatecodes	data table	setmuglue	function
runstring	function	setmuskip	function
runtoks	function	setnest	function
saveboxresource	function	setoverloadstate	function
scale	function	setpardir	function
scantoks	function	setpositvalue	function
set	function	setrunstate	overloaded function
setamcode	function	setsfcode	function
setattribute	function	setskip	function
setbalanceshape	function	setspcode	function
setbox	function	settetmdir	function
setboxdir	function	settoks	function
setcardinalvalue	function	setuccode	function
setcatcode	function	sfcode	table
setcccode	function	shapingpenaltiescodes	data table
setconditional	function	shiftparshape	function
setcount	function	shipout	function
setdelcode	function	showcontext	function
setdimen	function	skip	table
setdimensionvalue	function	snappingcodes	data table
setfloat	function	snapshotpar	function
setglue	function	sp	function
setglyphdata	function	spacefactorcodes	data table
setglyphscript	function	spaceskipcodes	data table
setglyphstate	function	specialmathclasscodes	data table
sethcode	function	specificationoptioncodes	data table
sethmcode	function	splitbox	function
setinputstatefile	function	splitcodes	data table
setinputstateline	function	sprint	function
setinputstatemode	function	stringtocodesbitmap	function
setinsertcontent	function	systemmodes	data table
setinsertdistance	function	takebox	function
setinsertlimit	function	texcatcodes	number
setinsertmaxplaced	function	textcontrolcodes	data table
setinsertmultiplier	function	toks	table
setintegervalue	function	tonumber	function
setinteraction	function	toscaled	function
setlccode	function	tpacatcodes	number
setlinedir	function	tpbcacodes	number
setlist	function	tprint	function
setlocalbox	function	trackedattribute	function
setmath	function	trackers	data table
setmathcode	function	triggerbuildpage	function

txtcatcodes
u~~cc~~ode
uprint
useboxresource

number
table
function
function

userdiscoptioncodes
userglyphoptioncodes
vrbcacodes
w~~ri~~te

data table
data table
number
function

texconfig (basic tex)

buffer size	table	language size	table
N size		N size	
N step		N step	
error line size	table	mark size	table
N size		N size	
expand size	table	N step	
N size		nest size	table
file size	table	N size	
N size		N step	
N step		node size	table
first line	string	N size	
font size	table	N step	
N size		param eter size	table
N step		N size	
format name	string	N step	
function size	number	pool size	table
half error line size	table	N size	
N size		N step	
hash size	table	prop erti ess ize	number
N size		save size	table
N step		N size	
init	overloaded function	N step	
input size	table	shell_ escape	string
N size		string size	table
N step		N size	
insert size	table	N step	
N size		token size	table
N step		N size	
kpse_ init	boolean	N step	

texio (basic tex)

closeinput	function
forceendoffile	function
getinputindex	function
getselectorvalues	function
getsourcefilename	function
setlogfile	function
terminal	function

write	function
write_nl	function
writeln	function
writeselector	function
writeselectorlf	function
writeselectornl	function

token (basic tex)

create	function	getexpandable	function
expand	function	getexpansion	function
expand_macro	function	getfields	function
expandmacro	function	getflags	function
future_expand	function	getfrozen	function
futureexpand	function	getfunctionvalues	function
get_active	function	getid	function
get_cmdchrscs	function	getimmutable	function
get_cmdname	function	getindex	function
get_command	function	getinstance	function
get_csname	function	getinteger	function
get_cstoken	function	getlength	function
get_dimension	function	getmacro	function
get_expandable	function	getmeaning	function
get_fields	function	getnoaligned	function
get_flags	function	getparameters	function
get_frozen	function	getpermanent	function
get_id	function	getprimitive	function
get_immutable	function	getprimitives	function
get_index	function	getprotected	function
get_instance	function	getrange	function
get_integer	function	gettok	function
get_macro	function	gettolerant	function
get_meaning	function	gobble	function
get_noaligned	function	gobble_dimension	function
get_parameters	function	gobble_integer	function
get_permanent	function	gobbledimension	function
get_primitive	function	gobbleinteger	function
get_protected	function	grab	function
get_range	function	grabstring	function
get_tok	function	inhibit	function
get_tolerant	function	is_defined	function
getactive	function	is_next_char	function
getcmdchrscs	function	is_token	function
getcmdname	function	isactivestring	function
getcommand	function	isdefined	function
getcommandvalues	function	isnextchar	function
getconstant	function	istoken	function
getcsname	function	locatemacro	function
getcstoken	function	new	function
getdimension	function	peek_next	function

<code>peek_next_char</code>	function	<code>scan_tokenlist</code>	function
<code>peek_next_expanded</code>	function	<code>scan_toks</code>	function
<code>peeknext</code>	function	<code>scan_value</code>	function
<code>peeknextchar</code>	function	<code>scan_word</code>	function
<code>peeknextexpanded</code>	function	<code>scanargument</code>	function
<code>pop_macro</code>	function	<code>scanbox</code>	function
<code>popmacro</code>	function	<code>scancardinal</code>	function
<code>push_macro</code>	function	<code>scanchar</code>	function
<code>pushmacro</code>	function	<code>scancmdchr</code>	function
<code>put_back</code>	function	<code>scancmdchrexplanded</code>	function
<code>put_next</code>	function	<code>scancode</code>	function
<code>putback</code>	function	<code>scancsname</code>	function
<code>putnext</code>	function	<code>scancstoken</code>	function
<code>save_lua</code>	function	<code>scandelimited</code>	function
<code>savelua</code>	function	<code>scandetokened</code>	function
<code>scan_argument</code>	function	<code>scandimen</code>	function
<code>scan_box</code>	function	<code>scandimenargument</code>	function
<code>scan_cardinal</code>	function	<code>scandimension</code>	function
<code>scan_char</code>	function	<code>scandimensionargument</code>	function
<code>scan_cmdchr</code>	function	<code>scanfloat</code>	function
<code>scan_cmdchr_expanded</code>	function	<code>scanglue</code>	function
<code>scan_code</code>	function	<code>scanint</code>	function
<code>scan_csname</code>	function	<code>scaninteger</code>	function
<code>scan_delimited</code>	function	<code>scanintegerargument</code>	function
<code>scan_dimen</code>	function	<code>scankey</code>	function
<code>scan_float</code>	function	<code>scankeyword</code>	function
<code>scan_glue</code>	function	<code>scankeywordcs</code>	function
<code>scan_integer</code>	function	<code>scanletters</code>	function
<code>scan_key</code>	function	<code>scanluacardinal</code>	function
<code>scan_keyword</code>	function	<code>scanluainteger</code>	function
<code>scan_keyword_cs</code>	function	<code>scanluanumber</code>	function
<code>scan_letters</code>	function	<code>scannext</code>	function
<code>scan_luacardinal</code>	function	<code>scannextchar</code>	function
<code>scan_luainteger</code>	function	<code>scannextexpanded</code>	function
<code>scan_luanumber</code>	function	<code>scanposit</code>	function
<code>scan_next</code>	function	<code>scanreal</code>	function
<code>scan_next_char</code>	function	<code>scanscale</code>	function
<code>scan_next_expanded</code>	function	<code>scanskip</code>	function
<code>scan_real</code>	function	<code>scanstring</code>	function
<code>scan_scale</code>	function	<code>scantoken</code>	function
<code>scan_skip</code>	function	<code>scantokencode</code>	function
<code>scan_string</code>	function	<code>scantokenlist</code>	function
<code>scan_token</code>	function	<code>scantokenstring</code>	function
<code>scan_token_code</code>	function	<code>scantoks</code>	function

scanvalue	function	setmacro	function
scanword	function	setmacrofrommark	function
serialize	function	setmacrotonothing	function
set_dimension	function	skip_next	function
set_integer	function	skip_next_expanded	function
set_lua	function	skipnext	function
set_macro	function	skipnextexpanded	function
setdimension	function	type	function
setinteger	function	undefine_macro	function
setlua	function	undefinemacro	function

tokens (context)

accessors table

F active
F cmd
F cmdchrsc
F cmdname
F command
F csname
F expandable
F frozen
F index
F name
F protected
F range

astable function

bits table

N active
N alignment
N begingroup
N character
N close
N comment
N endgroup
N endofline
N escape
N ignore
N invalid
N letter
N mathshift
N open
N other
N parameter
N space
N subscript
N superscript
N whitespace

cache data table

commands data table

compile function

constant function

converters table

S toboolean

S todimen

S toglue

S tonumber

S tostring

create function

defined function

flags function

getinteger function

getters table

F box

F count

F ctoken

F dimen

F glue

F macro

F meaning

F skip

F token

gobble function

isactivestring function

isdefined function

istoken function

new function

pickup function

popmacro function

presets table

pushmacro function

scanners table

F argument

F argumentasis

F array

F boolean

F box

F bracketed

F bracketedasis

F cardinal

F char

F cmdchr

F cmdchrexplanded

F code

F conditional

F count	F tokencode	
F csname	F tokenlist	
F csnameunchecked	F tokens	
F delimited	F tokenstring	
F detokened	F toks	
F dimen	F value	
F dimension	F vbox	
F dimensionargument	F verbatim	
F float	F vtop	
F glue	F whd	
F gluespec	F word	
F gluevalues	setinteger	function
F hash	setters	table
F hbox	F box	
F integer	F char	
F integerargument	F count	
F ischar	F dimen	
F key	F glue	
F keyword	F lua	
F keywordcs	F macro	
F letters	F skip	
F list	shortcuts	table
F lua	N close	
F luacardinal	F inspect	
F luainteger	N open	
F luanumber	F report	
F lxmlid	F scanargument	
F next	F scanargumentasis	
F nextchar	F scanarray	
F nextexpanded	F scanboolean	
F number	F scanbox	
F optional	F scanbracketed	
F peek	F scanbracketedasis	
F peekchar	F scancardinal	
F peekexpanded	F scanclose	
F posit	F scancode	
F real	F scanconditional	
F scanclose	F scanscsname	
F scanopen	F scanscsnameunchecked	
F skip	F scandelimited	
F skipexpanded	F scandetokened	
F string	F scandimen	
F table	F scandimension	
F token	F scandimensionargument	

F scanfloat
F scanglue
F scangluespec
F scangluevalues
F scanhash
F scanhbox
F scaninteger
F scanintegerargument
F scankeyword
F scankeywordcs
F scanletters
F scanlist
F scanlua
F scannumber
F scanopen
F scanoptional

F scanposit
F scanstring
F scantable
F scantokenlist
F scantokenstring
F scantoks
F scanvbox
F scanverbatim
F scanvtop
F scanword
F toboolean
F todimen
F tonumber
F tostring

values

data table

tracers (context)

printerror function
printwarning function

showlines function

trackers (context)

data	data table	register	function
default	function	report	function
disable	function	reset	function
done	table	savehash	function
dumphashtofile	function	show	function
enable	function	value	function
list	function	values	function
name	string		

typesetters (context)

alignments table

F handler

F set

breakpoints table

F define

F handler

D mapping

F set

F setreplacement

cases table

F handler

F register

F set

characteralign table

F handler

F resetcharacteralign

F setcharacteralign

characters table

F handler

F replacensbp

F replacenspaces

checkers table

F handler

F reset

F set

cleaners table

F handler

F set

compare table

F handler

F reset

F set

F setpair

F setup

corrections table

F handler

digits table

F handler

F set

directions table

F getfences

F getglobal

F getmethod

F handler

F installhandler

F set

F setcolor

F tomode

firstlines table

F handler

F set

fontkerns table

F handler

initials table

F handler

F set

injectors table

F check

F mark

F reset

F set

F show

italics table

F enablemath

F enabletext

F handler

kerns table

D factors

F handler

F keepeligature

D mapping

F set

localboxes table

F handler

manipulators table

F apply

F applyspecification

F splitspecification

margins table

F finalhandler

F globalhandler

F localhandler

F save

marksuspects function

paragraphs table

 F addanchortoline

 F addtoline

 F calculatedelta

 F checkline

 F moveinline

periodkerns table

 D factors

 F handler

 D mapping

 F set

processors table

 F apply

 F register

 F reset

 F split

 F startapply

 F stopapply

 F stripped

 F tostring

rubies table

 F attach

 F check

showinvisibles function

showsuspects function

spacings table

 F define

 F handler

 D mapping

 F reset

 F set

 F setup

stacking table

 F getindex

 F getselection

 F handler

swapping table

 F handler

synchronize table

 F handler

tighten table

 F handler

wrappers table

xtables table

 F cleanup

 F construct

 F create

 F finish_row

 F flush

 F initialize_construct

 F initialize_reflow_height

 F initialize_reflow_width

 F next_row

 F reflow_height

 F reflow_width

 F set_construct

 F set_reflow_height

 F set_reflow_width

updaters (context)

apply function
register function

url (context)

addscheme	function
barepath	function
construct	function
decode	function
encode	function
escape	function
filename	function

hashed	function
hasscheme	function
query	function
split	function
toquery	function
unescape	function
unescapeget	function

utf8 (basic lua)

char function
charpattern string
codepoint function

codes function
len function
offset function

utilities (context)

debugger table

F disable
F enable
F savestats
F showstats
F showtraceback

files table

F close
F getposition
F getsize
F look
F open
F read2dot14
F readbyte
F readbytes
F readbytetable
F readcardinal
F readcardinal1
F readcardinal1le
F readcardinal2
F readcardinal2le
F readcardinal3
F readcardinal3le
F readcardinal4
F readcardinal4le
F readcardinaltable
F readchar
F readcline
F readcstring
F readfixed2
F readfixed4
F readinteger
F readinteger1
F readinteger1le
F readinteger2
F readinteger2le
F readinteger3
F readinteger3le
F readinteger4
F readinteger4le
F readintegertable

F readsignedbyte
F readstring
F readtag
F setposition
F size
F skip
F skiplong
F skipposition
F skipshort
F writebyte
F writecardinal1
F writecardinal1le
F writecardinal2
F writecardinal2le
F writecardinal3
F writecardinal3le
F writecardinal4
F writecardinal4le
F writeinteger1
F writeinteger1le
F writeinteger2
F writeinteger2le
F writeinteger3
F writeinteger3le
F writeinteger4
F writeinteger4le
F writestring

formatters table

F formatcolumns
F list
F stripzeros

ghostscript table

F convert
F statistics

graphicmagick table

F convert
F statistics

graphicsmagick table

F convert
F statistics

json table

F load	F settings_to_array_with_repeat
F tojson	F settings_to_hash
F tolua	F settings_to_hash_colon_too
F tostring	F settings_to_hash_strict
lua	F settings_to_hash_tolerant
	F settings_to_numbers
B alwaysstripcode	F settings_to_set
F checkmemory	F simple_hash_to_string
F compile	F splitmethod
F loadedluacode	F splitthousands
F loadstring	F stepper
F loadstripped	F stripped_settings_to_array
N nofstrippedbytes	F totime
N nofstrippedchunks	F unittotex
F registerfinalizer	F unittoxml
B stripcode	
F strippedloadstring	randomizer
packers	table
	F get
F hashed	F getnumber
F new	F getrepeatable
F pack	F getrepeatableseed
F simplehashed	F getseed
F strip	F newrepeatable
F unpack	F popseed
N version	F pushseed
parsers	F repeatable
	F reuseseed
F add_settings_to_array	F setseed
F arguments_to_table	F setseedi
F array_to_string	randomizers
F csvsplitter	table
F getparameters	F poisson
F groupedsplitat	sequencers
F hash_to_string	table
F iterator	F appendaction
F keq_to_hash	F appendgroup
F listitem	F compile
F make_settings_to_hash_pattern	F disableaction
F mergehashes	F disablegroup
F options_to_array	F enableaction
F options_to_hash	F enablegroup
F process_stripped_settings	D functions
F rfc4180splitter	F localize
F runtime	F new
F settings_to_array	F nodeprocessor
F settings_to_array_obey_fences	F prependaction
	F prependgroup

F removeaction		F read2dot14
F replaceaction		F readbyte
F setkind		F readbytes
F toString		F readbytetable
setters	table	F readcardinal
F disable		F readcardinal1
F enable		F readcardinal1le
F initialize		F readcardinal2
F list		F readcardinal2le
F new		F readcardinal3
F register		F readcardinal3le
F report		F readcardinal4
F reset		F readcardinal4le
F show		F readcardinaltable
signals	table	F readchar
S configuration		F readcstring
F initialize		F readdouble
F loadstate		F readdoublele
F report		F readfixed2
F savestate		F readfixed4
F serialclose		F readfloat
F serialfast		F readfloatle
F serialopen		F readfloatle12
S serialprefix		F readfloatle6
F serialsend		F readinteger
F serialwrite		F readinteger1
N version		F readinteger1le
stacker	table	F readinteger2
F new		F readinteger2le
storage	table	F readinteger3
F allocate		F readinteger3le
F checked		F readinteger4
F mark		F readinteger4le
F marked		F readintegertable
F setinitializer		F readline
F sparse		F readsignedbyte
streams	table	F readstring
F close		F setposition
F getposition		F size
F getsize		F skip
F getstring		F skipbytes
F look		F skiplong
F open		F skipshort
F openstring		F tocardinal1

F tocardinal1le	F migratetable
F tocardinal2	F removevalue
F tocardinal2le	F replacevalue
F tocardinal3	tar table
F tocardinal3le	F closearchive
F tocardinal4	F openarchive
F tocardinal4le	templates table
strings table	F load
F collapse	F replace
F collapsecrlf	F replacer
F newcollector	F resolve
F newrepeater	zipfiles table
F striplines	F close
F tabtospace	F found
tables table	F hash
F accesstable	F list
F definedtable	F open
F definetable	F unzip
F encapsulate	F unzipdir
F insertaftervalue	F zipdir
F insertbeforevalue	

vector (extra lua)

add	function	F xrotation	
append	function	F xyzscale	
average	function	F yrotation	
ceiling	function	F zrotation	
checkoverlap	function	homogenize	function
collectoverlap	function	identity	function
concat	function	inner	function
contour	table	insert	function
F average		inverse	function
F bounds		ismesh	function
F checkoverlap		ispoints	function
F collectoverlap		issingular	function
F getarea		isvector	function
F getmesh		iszero	function
F makemesh		mesh	table
F overlapping		F copy	
F show		F get	
F sort		F getaverage	
copy	function	F getdimensions	
crossproduct	function	F gettypevalues	
delete	function	F ismesh	
determinant	function	F new	
div	function	F set	
equal	function	F setaverage	
exchange	function	F tostring	
floor	function	F totable	
get	function	F type	
getdimensions	function	meshname	function
getepsilon	function	mul	function
getmemory	function	negate	function
getmesh	function	new	function
getmeshtypes	function	normalize	function
getpointtypes	function	normals	table
getrc	function	F flip	
getrow	function	F get	
getsize	function	F isnormals	
getstacking	function	F new	
gettype	function	F set	
helpers	table	F tostring	
F points		F totable	
F transform		F type	

onecolumn	function	F getxy	
onerow	function	F getxytable	
point	table	F getxyz	
F add		F getxyztable	
F copy		F grow	
F cross		F index	
F crossproduct		F ispoints	
F dist		F new	
F distance		F prune	
F div		F set	
F dot		F setindex	
F dotproduct		F setnormal	
F equal		F setxy	
F get		F setxyz	
F ispoint		F size	
F iszero		F tostring	
F len		F totable	
F length		F type	
F mul		product	function
F neg		remove	function
F negate		replace	function
F new		round	function
F norm		rowechelon	function
F normalize		set	function
F perp		setepsilon	function
F perpendicular		setnext	function
F set		setrc	function
F sub		setstacking	function
F tostring		slice	function
F totable		sort	function
F type		sub	function
points	table	swap	function
F copy		tostring	function
F get		totable	function
F getbounds		transpose	function
F getindex		triangulate	function
F getnormal		truncate	function
F getpool		type	function
F gettriangle			

visualizers (context)

escapepatterns	data table	signal	string
getspecification	function	signalpattern	userdata
getvisualizer	function	specifications	data table
load	function	visualize	function
makenested	function	visualizebuffer	function
makepattern	function	visualizefile	function
newgrammar	function	visualizestring	function
newhandler	function	write	function
parsedxml	function	writeargument	function
pattern	function	writedefault	function
register	function	writeemptyline	function
registerescapecommand	function	writenewline	function
registerescapepline	function	writespace	function
registerescapepattern	function		

xcomplex (extra lua)

I	function	erf	function
__add	function	erfc	function
__div	function	erfcx	function
__eq	function	erfi	function
__mul	function	exp	function
__name	string	i	function
__pow	function	imag	function
__sub	function	log	function
__tostring	function	new	function
__unm	function	pow	function
abs	function	proj	function
acos	function	real	function
acosh	function	sin	function
arg	function	sinh	function
asin	function	sqrt	function
asinh	function	tan	function
atan	function	tanh	function
atanh	function	topair	function
conj	function	tostring	function
cos	function	totable	function
cosh	function	voigt	function
dawson	function	voigt_hwhm	function

xdecimal (extra lua)

__add	function	bxor	function
__band	function	conj	function
__bor	function	copy	function
__bxor	function	exp	function
__div	function	getprecision	function
__eq	function	ln	function
__idiv	function	log	function
__le	function	max	function
__lt	function	min	function
__mod	function	minus	function
__mul	function	new	function
__name	string	plus	function
__pow	function	pow	function
__shl	function	rotate	function
__shr	function	setprecision	function
__sub	function	shift	function
__tostring	function	sqrt	function
__unm	function	toengstring	function
abs	function	tonumber	function
band	function	tostring	function
bor	function	trim	function

xinterval (context)

__add	function	greaterequal	function
__div	function	hull	function
__eq	function	intersect	function
__le	function	less	function
__lt	function	lessequal	function
__mod	function	log	function
__mul	function	log10	function
__name	string	log1p	function
__pow	function	log2	function
__sub	function	mid	function
__tostring	function	mod	function
__unm	function	new	function
abs	function	neweps	function
acos	function	pow	function
acosh	function	seteq	function
asin	function	setge	function
asinh	function	setgt	function
asstring	function	setle	function
atan	function	setlt	function
atanh	function	sin	function
cos	function	sinh	function
cosh	function	sqr	function
diameter	function	sqrt	function
equal	function	tan	function
erf	function	tanh	function
erfc	function	topair	function
exp	function	tostring	function
exp10	function	totable	function
exp2	function	usedendian	function
expm1	function	within	function
greater	function		

xmath (extra lua)

acos	function	isnormal	function
acosh	function	j0	function
asin	function	j1	function
asinh	function	jn	function
atan	function	ldexp	function
atan2	function	lgamma	function
atanh	function	log	function
cbrt	function	log10	function
ceil	function	log1p	function
copysign	function	log2	function
cos	function	logb	function
cosh	function	modf	function
crossproduct	function	nan	number
deg	function	nearbyint	function
dotproduct	function	nextafter	function
erf	function	normalize	function
erfc	function	pi	number
exp	function	pow	function
exp2	function	rad	function
expm1	function	remainder	function
fabs	function	remquo	function
fdim	function	round	function
floor	function	scalbn	function
fma	function	sin	function
fmax	function	sinh	function
fmin	function	sqrt	function
fmod	function	tan	function
frexp	function	tanh	function
gamma	function	tgamma	function
hypot	function	trunc	function
inf	number	y0	function
isfinite	function	y1	function
isinf	function	yn	function
isnan	function		

xml (context)

addentitiesdoctype	function	F family	
addspecialcode	function	F fontspecification	
after	function	F mappedstylevalue	
all	function	F padding	
applylpath	function	F size	
applyselector	function	F style	
assign	function	F stylevalue	
attribute	function	F todimension	
badinclusions	function	F variant	
before	function	F weight	
body	function	defaulthandlers	table
builtinentities	table	D file	
B amp		D parsedxml	
B apos		D string	
B gt		D tex	
B lt		D texline	
B quot		D texspace	
CDATA	function	D verbose	
CDATATOTEXT	function	defaultprotocol	string
checkbom	function	delete	function
checkedempty	function	delete_element	function
checkerror	function	despecialized	function
checknamespace	function	each	function
checkns	function	each_element	function
cleansed	function	elements	function
collect	function	elementtocdata	function
collect_elements	function	empty	function
collect_tags	function	entities	data table
collect_texts	function	erase	function
collected	function	errorhandler	function
collecttexts	function	escaped	function
compactelement	function	expand	function
content	function	expressions	table
convert	function	F attribute	
copy	function	F boolean	
count	function	F child	
cprint	function	F contains	
CSS	table	F count	
F applyselector		F error	
F colorspecification		F find	
F dimension		F hasclass	

F idstring		insertcomment	function
F lower		inspect	function
F name		is_valid	function
F number		kind	function
F oneof		last	function
F print		lastmatch	function
F quit		load	function
F tag		lpath	function
F text		lpathcached	function
F undefined		lpathcalls	function
F upper		lshow	function
fillin	function	makestandalone	function
filter	function	match	function
finalizers	table	mml	table
F paragraphs		F stripped	
first	function	F verbose	
found	function	name	function
functions	table	newhandlers	function
F classes		nodesettostring	function
F hasclass		originalload	function
getbuffer	function	package	function
gethandlers	function	parent	function
gethandlersfunction	function	parsedentitylpeg	userdata
helpers	table	pihandlers	table
F recursetext		F injector	
include	function	F tex	
inclusion	function	placeholders	table
inclusions	function	F unknown_any_entity	
index	function	F unknown_dec_entity	
inheritattributes	function	F unknown_hex_entity	
inheritedconvert	function	popmatch	function
inject	function	position	function
inject_element	function	privatecodes	data table
inject_element_after	function	privatetoken	function
inject_element_before	function	process	function
injectafter	function	process_attributes	function
injectbefore	function	process_elements	function
insert	function	processattributes	function
insert_element	function	profiled	table
insert_element_after	function	pure	function
insert_element_before	function	pushmatch	function
insertafter	function	raw	function
insertbefore	function	registerentity	function
insertcdata	function	registerns	function

reindex	function	specialhandler	table
remap_name	function	sprint	function
remap_namespace	function	string	function
remap_tag	function	strip	function
remapname	function	strip_whitespace	function
remapnamespace	function	stripelement	function
remaptag	function	stripleadingspaces	function
rename	function	table	function
renamespace	function	text	function
reparsedentitylpeg	userdata	textonly	function
replace	function	texttocdata	function
replace_element	function	tocdata	function
resetinjectors	function	toelement	function
resolvens	function	tostring	function
root	function	totable	function
save	function	toxml	function
selection	function	tprint	function
separate	function	traverse	function
serialize	function	unescaped	function
serializetotext	function	unescapedentitylpeg	userdata
setcdata	function	unprivatized	function
setcomment	function	unspecialized	function
sethandlersfunction	function	wipe	function
setinjectors	function	withelement	function
setproperty	function	withelements	function
settings	function	wrap	function
specialcodes	data table	xmlns	table

xzip (extra lua)

adler32 function

compress function

compresssize function

crc32 function

decompress function

decompresssize function

zbuffer (context)

bounds	function	set	function
composite	function	setcolor	function
crop	function	setdepth	function
edgepoint	function	setnormal	function
flatten	function	setopacity	function
get	function	setup	function
getcolor	function	smoothen	function
getconstants	function	stipple_0	function
getdepth	function	stipple_1	function
getnormal	function	stipple_2	function
getnormalmodes	function	stipple_3	function
getopacity	function	stipple_4	function
getsize	function	stipple_setup	function
implicit	function	tobytes	function
iszbuffer	function	tostring	function
meshmesh	function	totable	function
new	function	transform	function
points	function	trianglebounds	function
process	function	triangled	function
project	function	triangles	function
resolve	function	type	function

zip (context)

archives	table	openarchive	function
closearchive	function	registeredfiles	table

zlib (context)

adler32	function
compress	function
compresssize	function

crc32	function
decompress	function
decompresssize	function