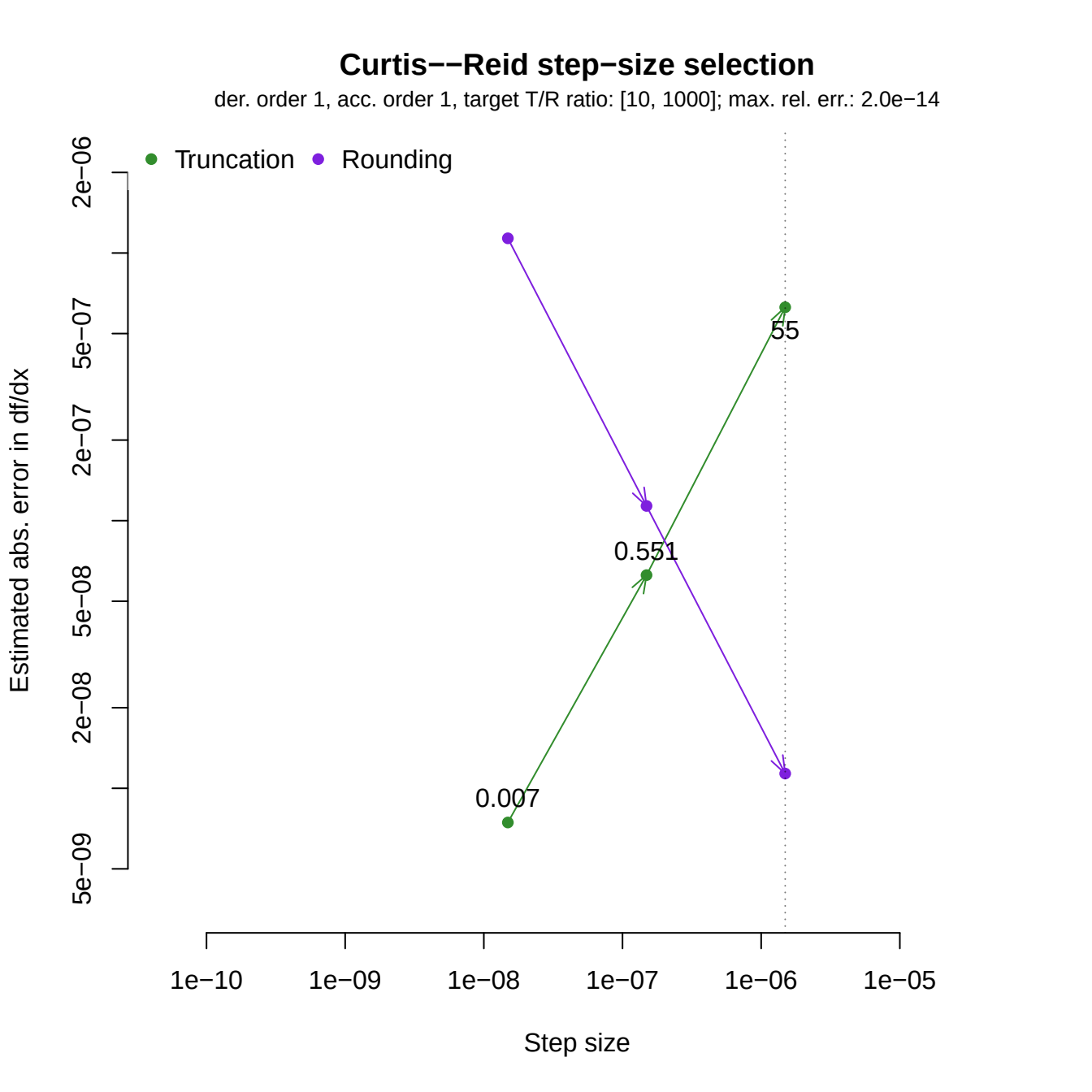
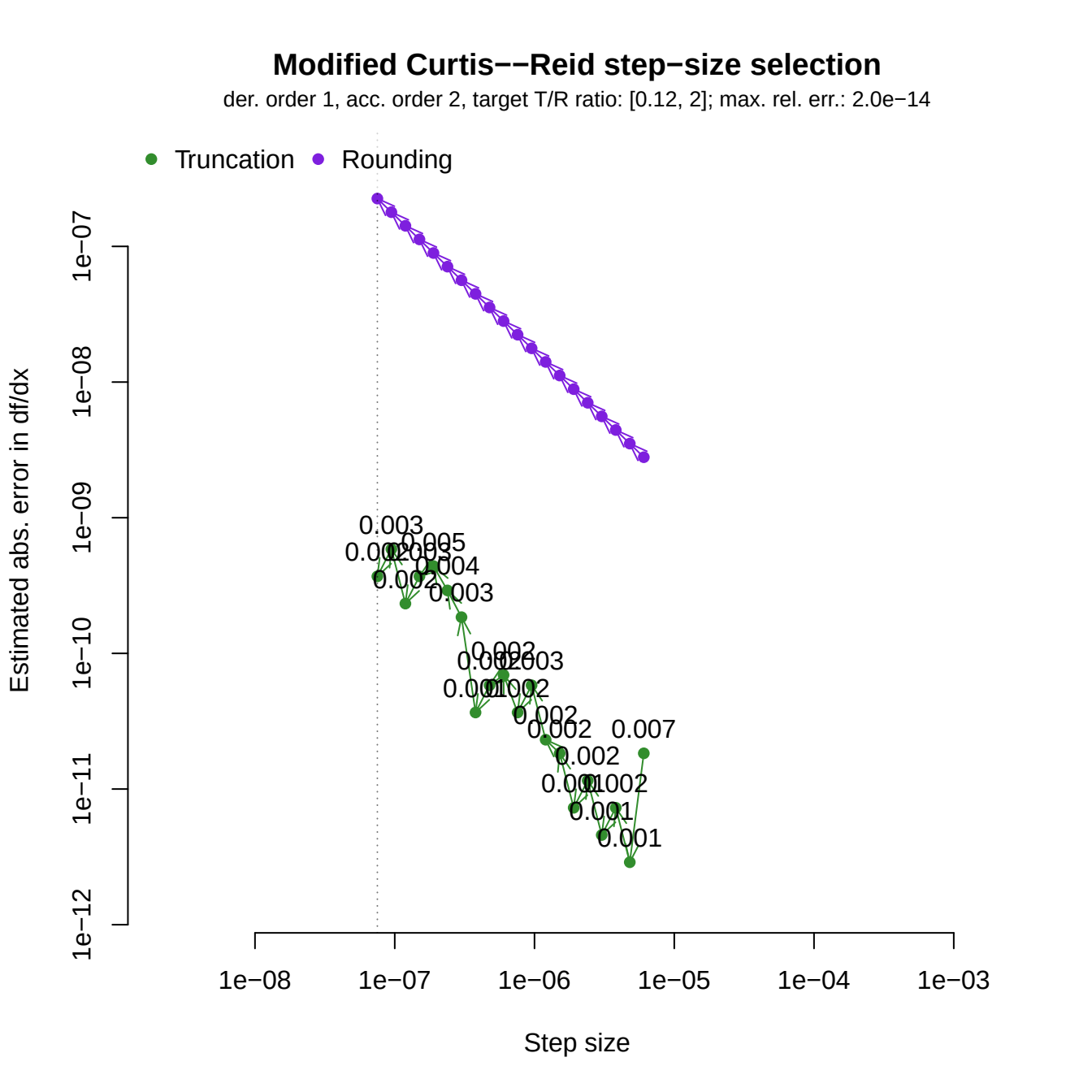
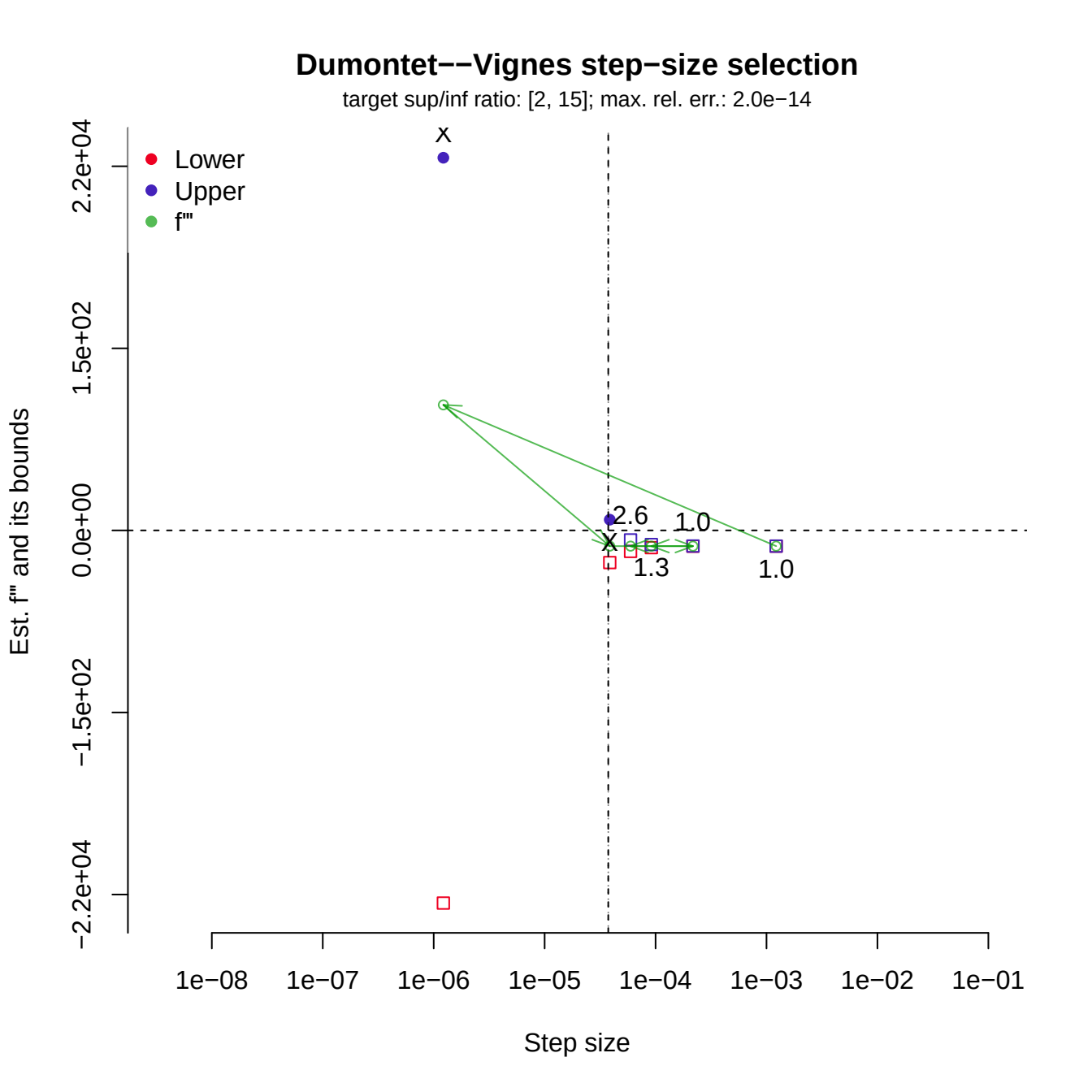
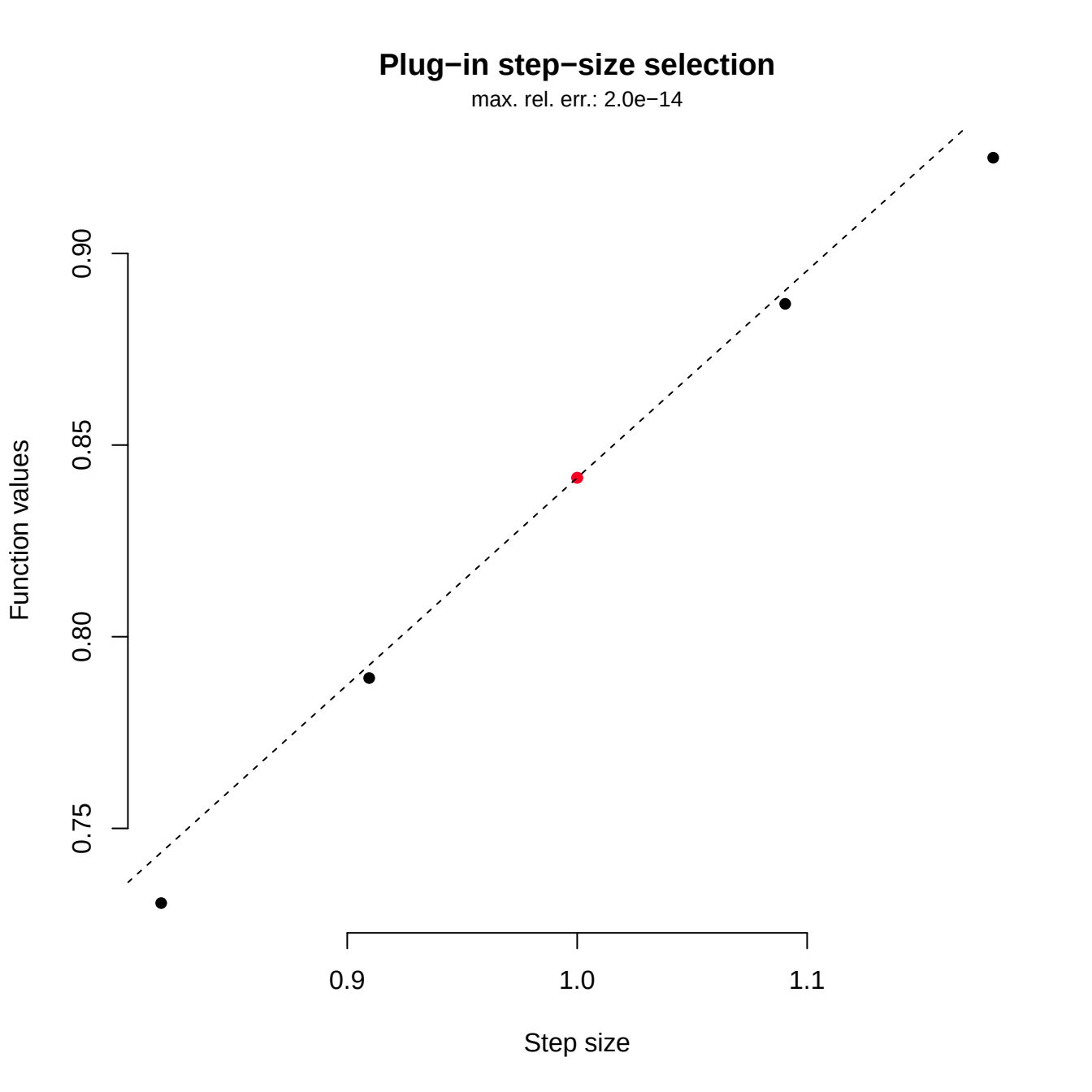
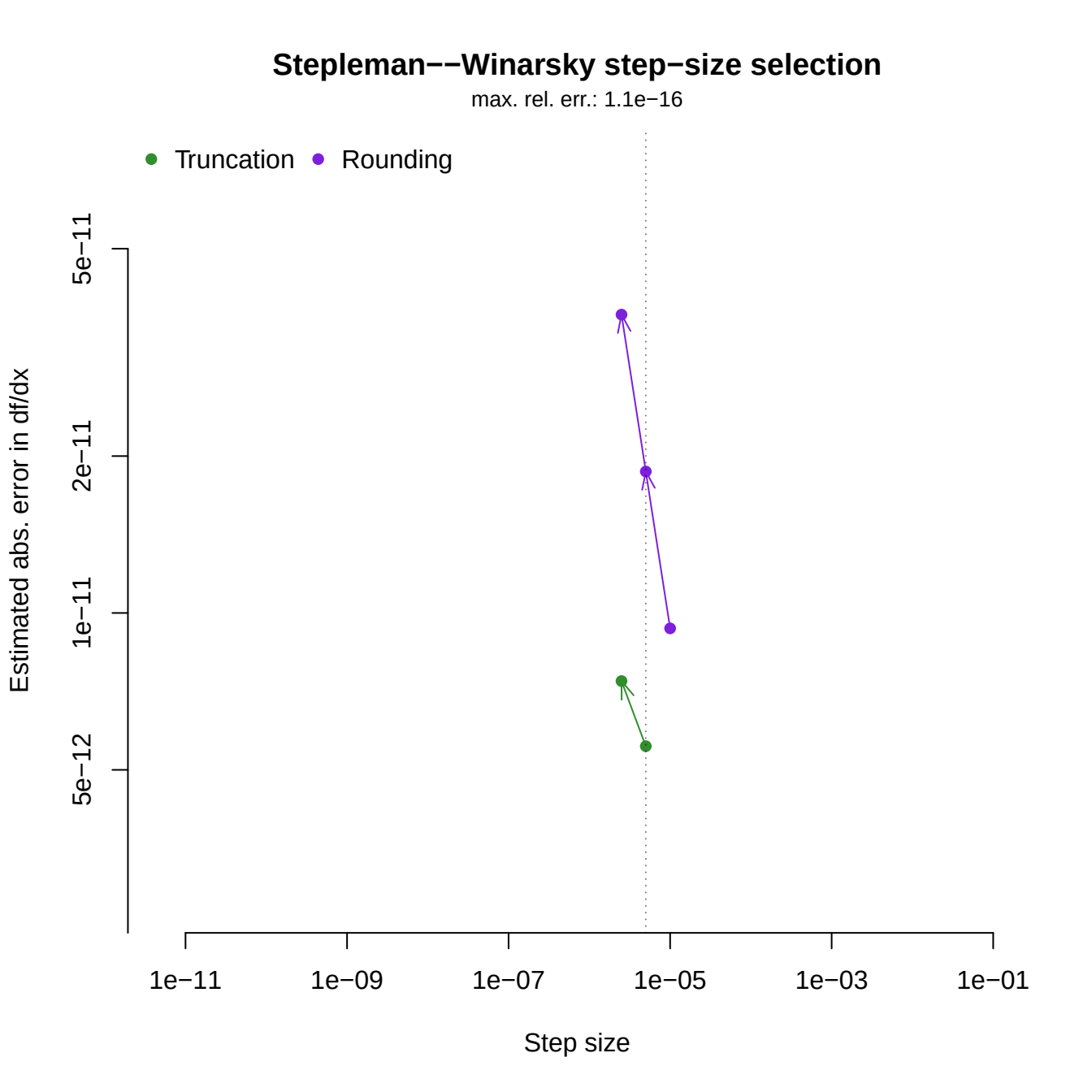
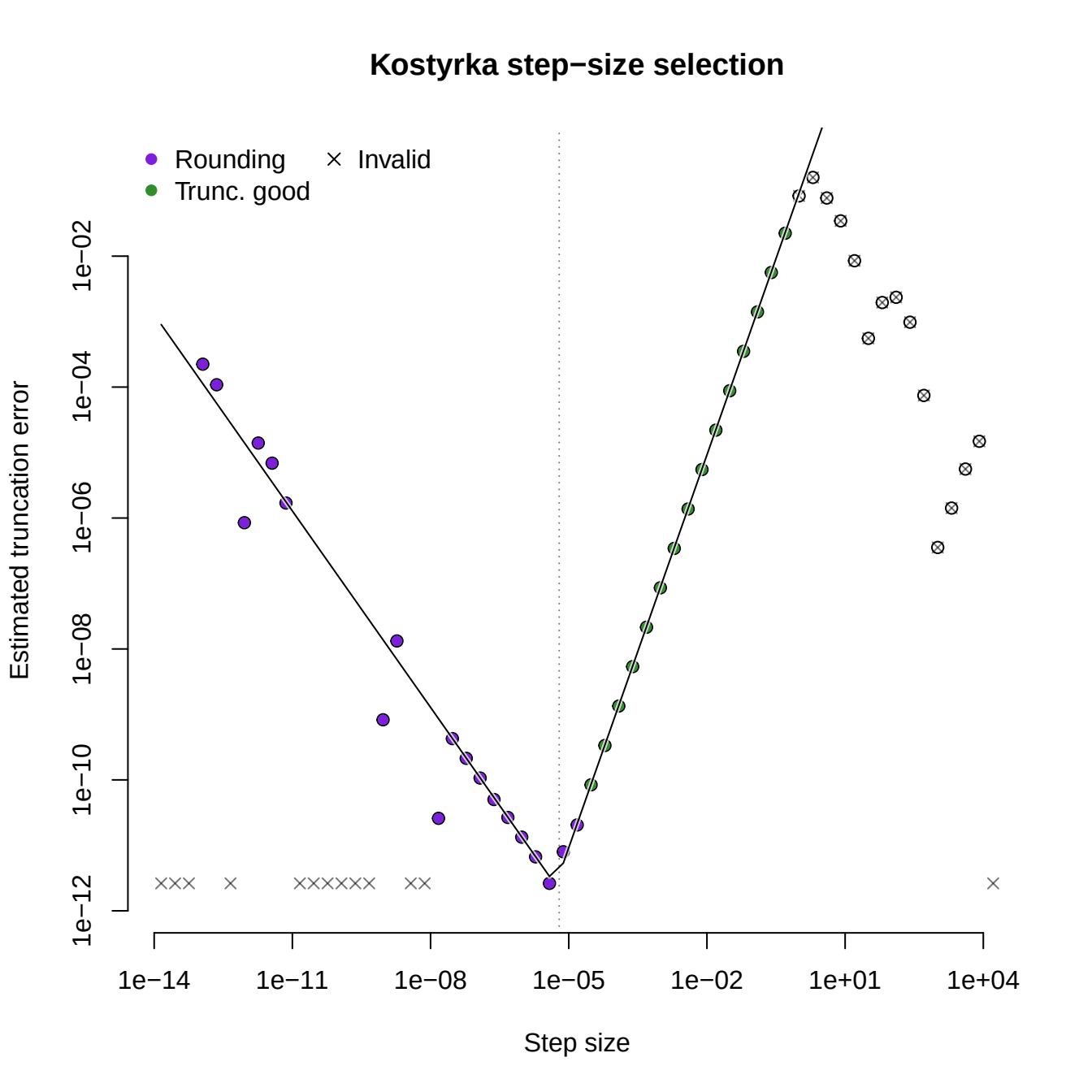

Curtis−−Reid step−size selection
der. order 1, acc. order 1, target T/R ratio: [10, 1000]; max. rel. err.: 2.0e−14
Truncation
Rounding
Estimated abs. error in df/dx
2e−06
5e−07
2e−07
5e−08
2e−08
5e−09
55
0.551
0.007
1e−10
1e−09
1e−08
1e−07
1e−06
1e−05
Step size

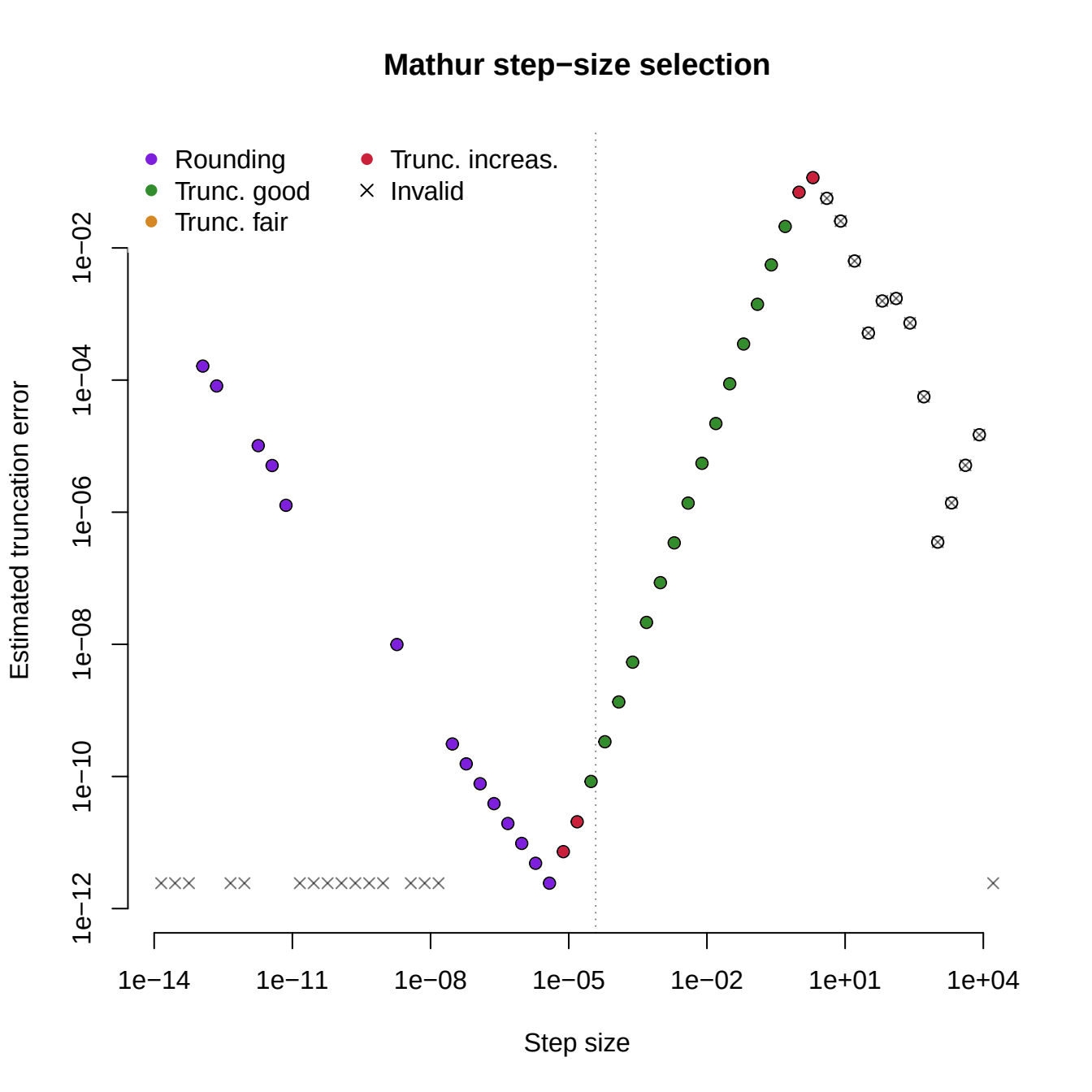

Modified Curtis−−Reid step−size selection
der. order 1, acc. order 2, target T/R ratio: [0.12, 2]; max. rel. err.: 2.0e−14
Truncation
Rounding
Estimated abs. error in df/dx
1e−07
1e−08
1e−09
1e−10
1e−11
1e−12
1e−08
1e−07
1e−06
1e−05
1e−04
1e−03
Step size

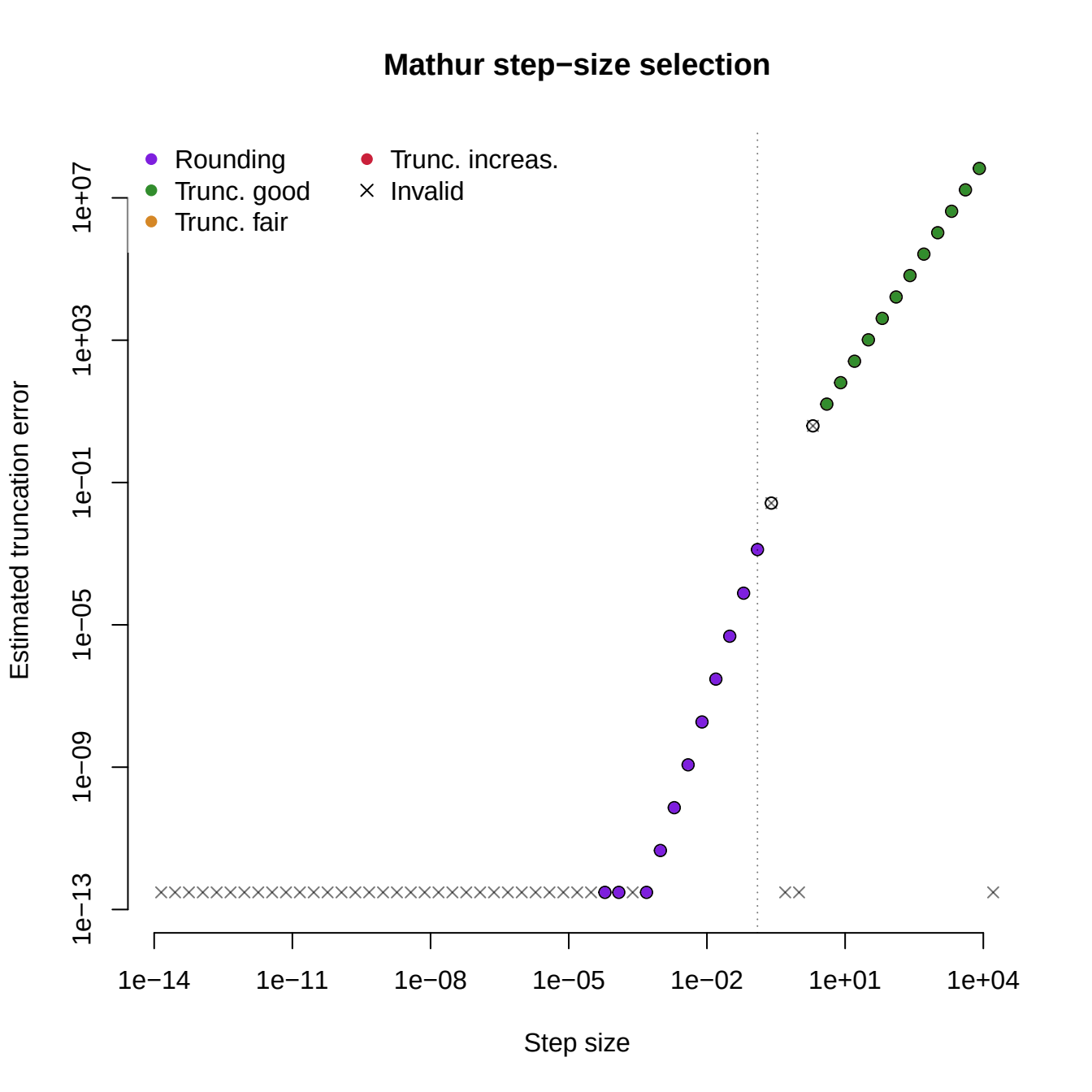

Dumontet−−Vignes step−size selection
target sup/inf ratio: [2, 15]; max. rel. err.: 2.0e−14
Lower
Upper
f'''
x
2.6
1.0
1.3
1.0
2.2e+04
1.5e+02
0.0e+00
−1.5e+02
−2.2e+04
Est. f''' and its bounds
1e−08
1e−07
1e−06
1e−05
1e−04
1e−03
1e−02
1e−01
Step size


Plug−in step−size selection
max. rel. err.: 2.0e−14
Function values
0.75
0.80
0.85
0.90
0.9
1.0
1.1
Step size


Stepleman−−Winarsky step−size selection
max. rel. err.: 1.1e−16
Truncation
Rounding
Estimated abs. error in df/dx
5e−11
2e−11
1e−11
5e−12
1e−11
1e−09
1e−07
1e−05
1e−03
1e−01
Step size


Kostyrka step−size selection
Rounding
Invalid
Trunc. good
Estimated truncation error
1e−02
1e−04
1e−06
1e−08
1e−10
1e−12
1e−14
1e−11
1e−08
1e−05
1e−02
1e+01
1e+04
Step size


Mathur step−size selection
Rounding
Trunc. good
Trunc. fair
Trunc. increas.
Invalid
Estimated truncation error
1e−02
1e−04
1e−06
1e−08
1e−10
1e−12
1e−14
1e−11
1e−08
1e−05
1e−02
1e+01
1e+04
Step size


Mathur step−size selection
Rounding
Trunc. good
Trunc. fair
Trunc. increas.
Invalid
Estimated truncation error
1e+07
1e+03
1e−01
1e−05
1e−09
1e−13
1e−14
1e−11
1e−08
1e−05
1e−02
1e+01
1e+04
Step size