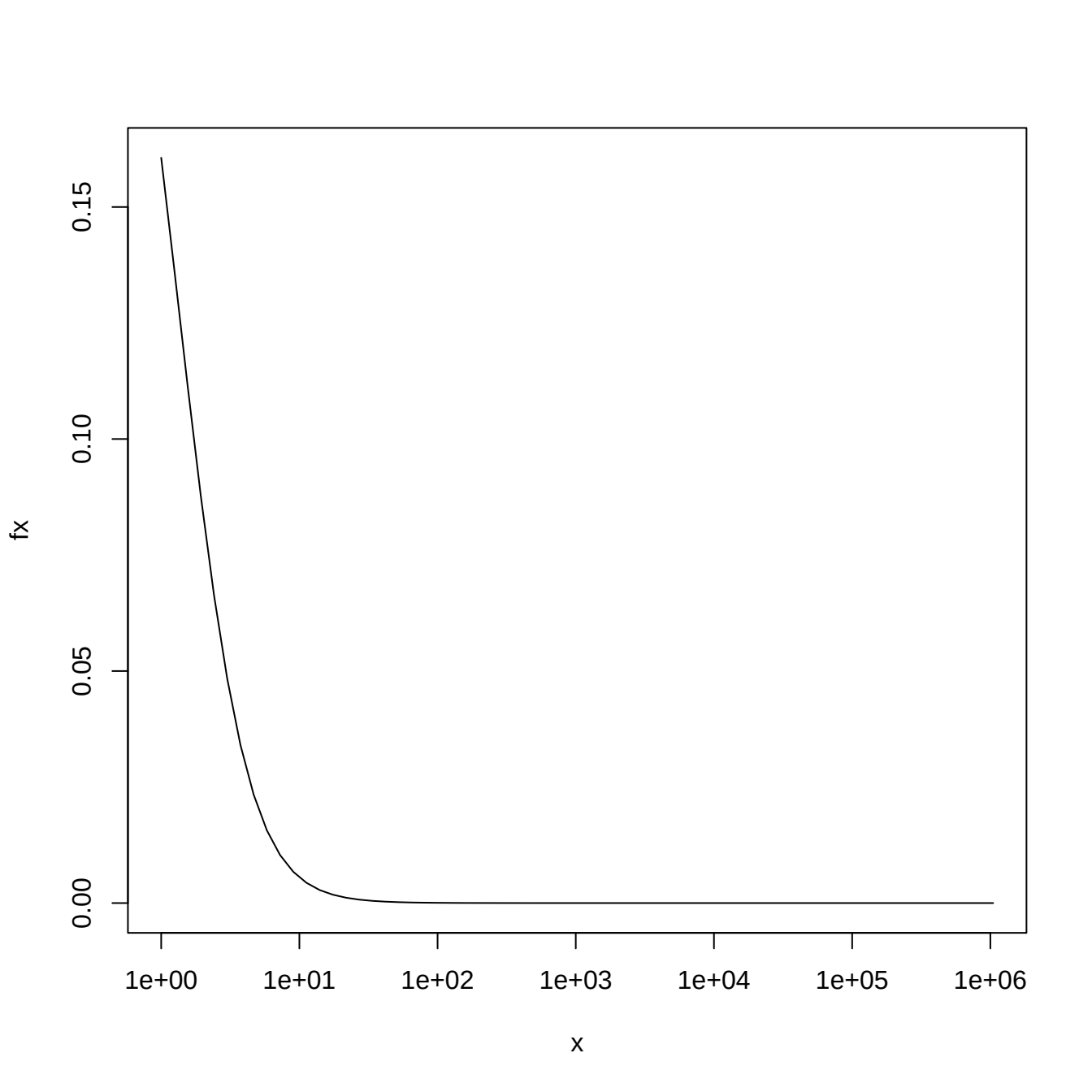
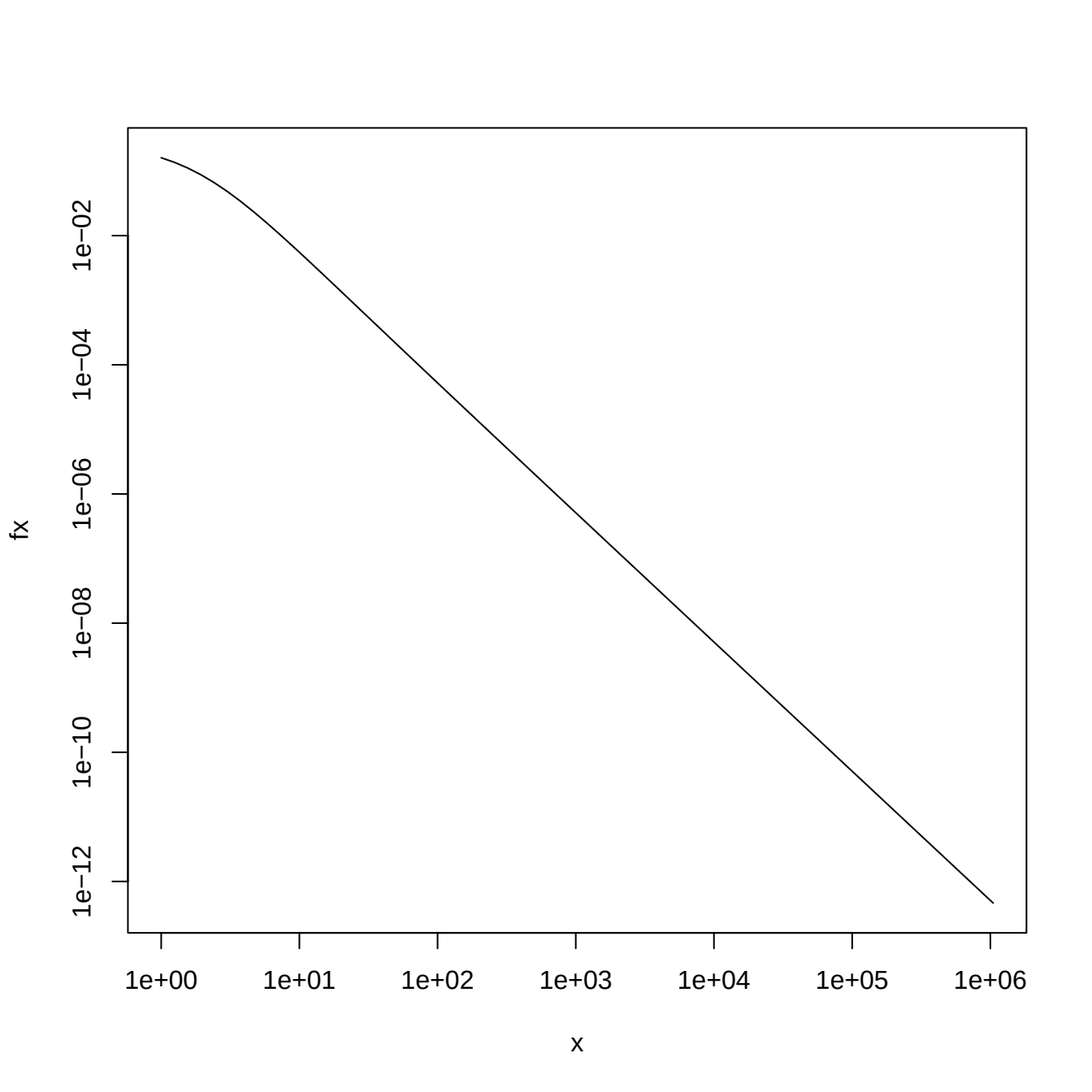
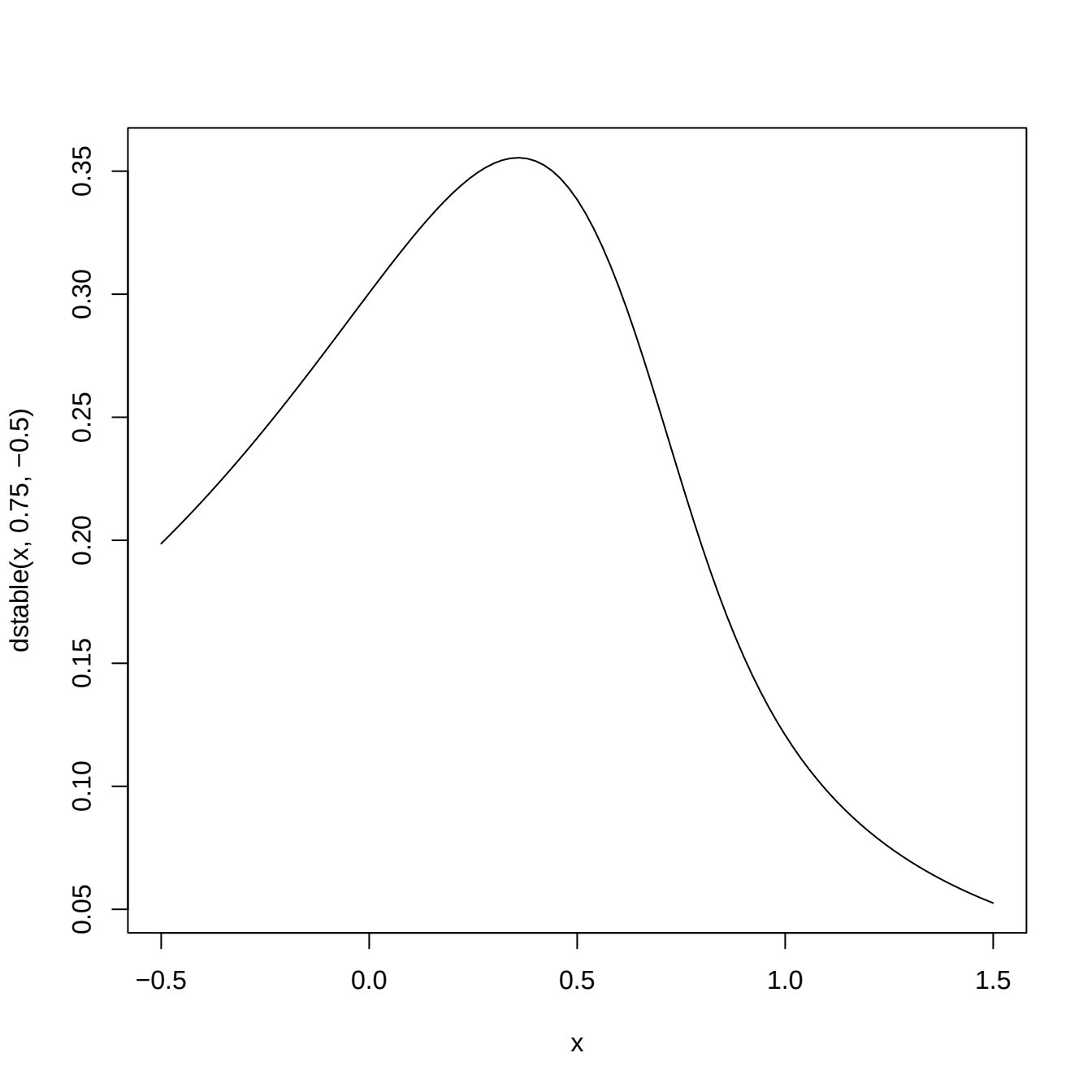
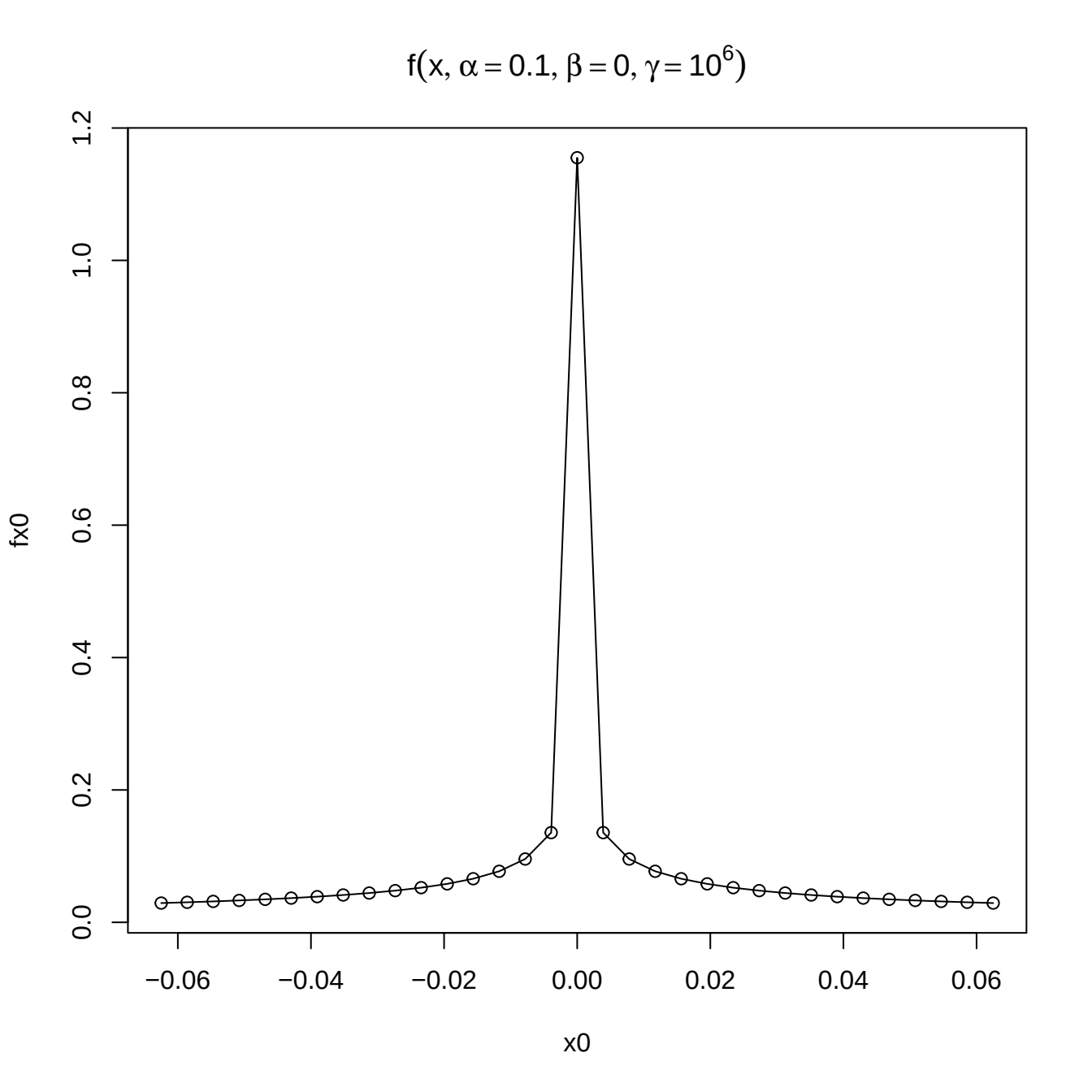
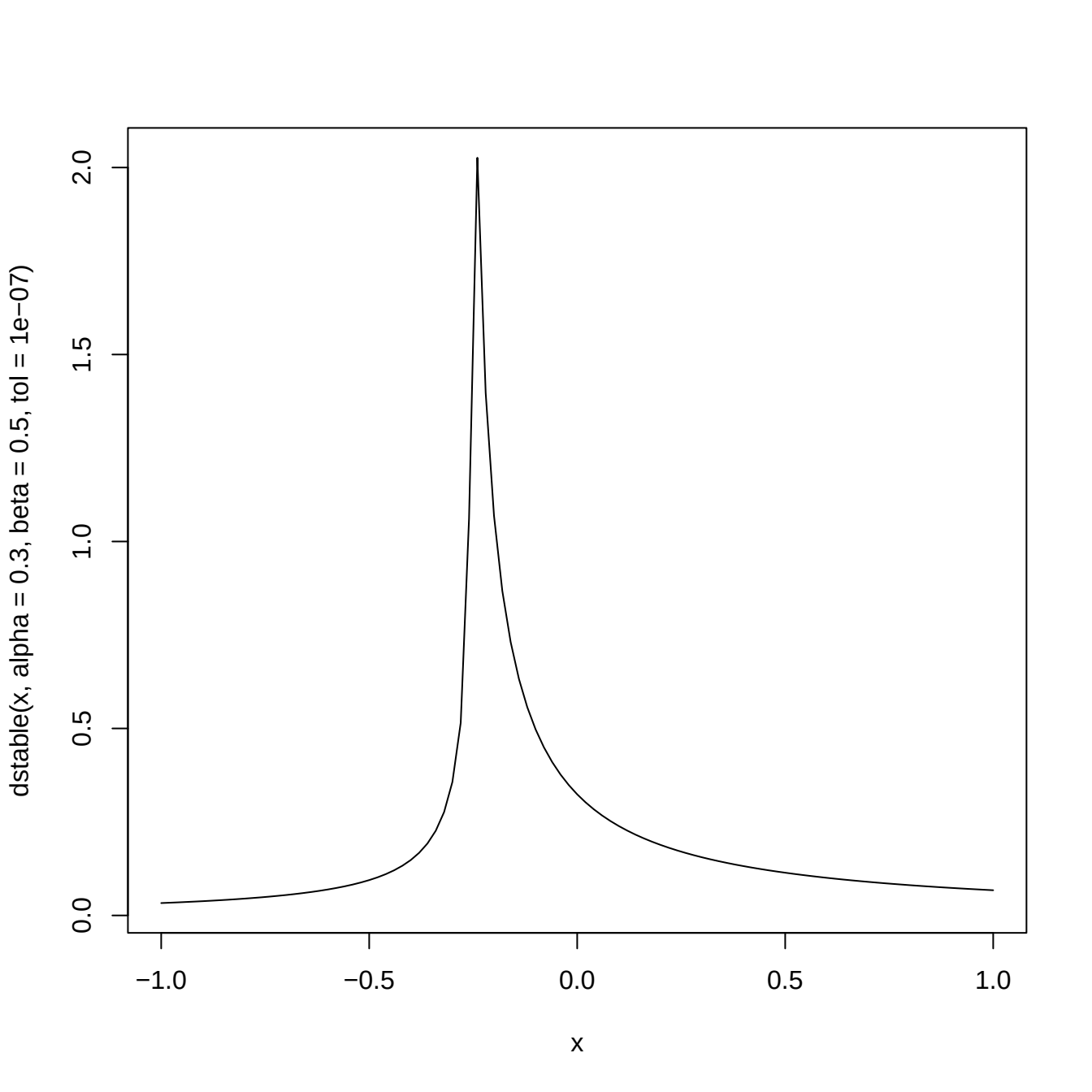
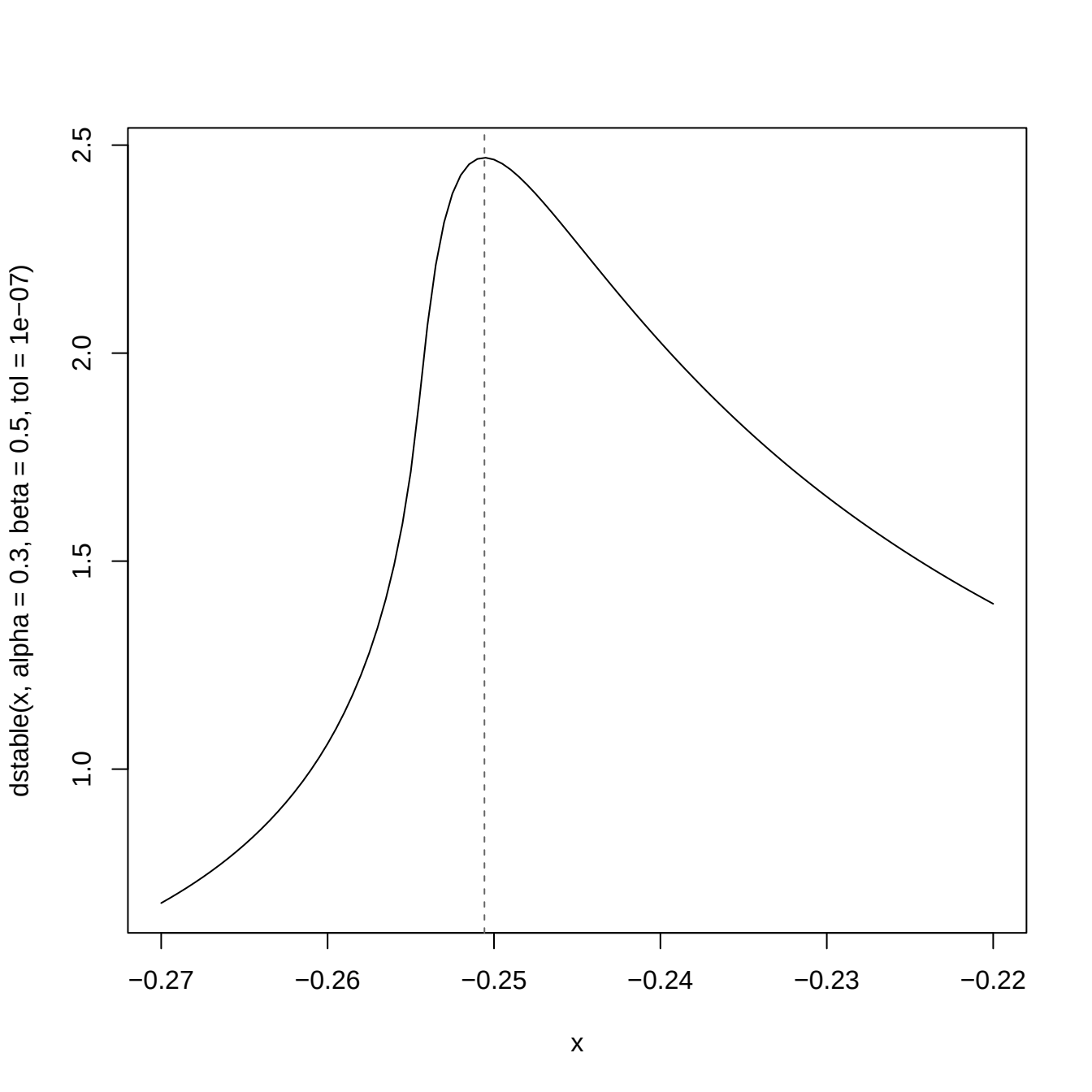

0.15
0.10
0.05
0.00
fx
1e+00
1e+01
1e+02
1e+03
1e+04
1e+05
1e+06
x

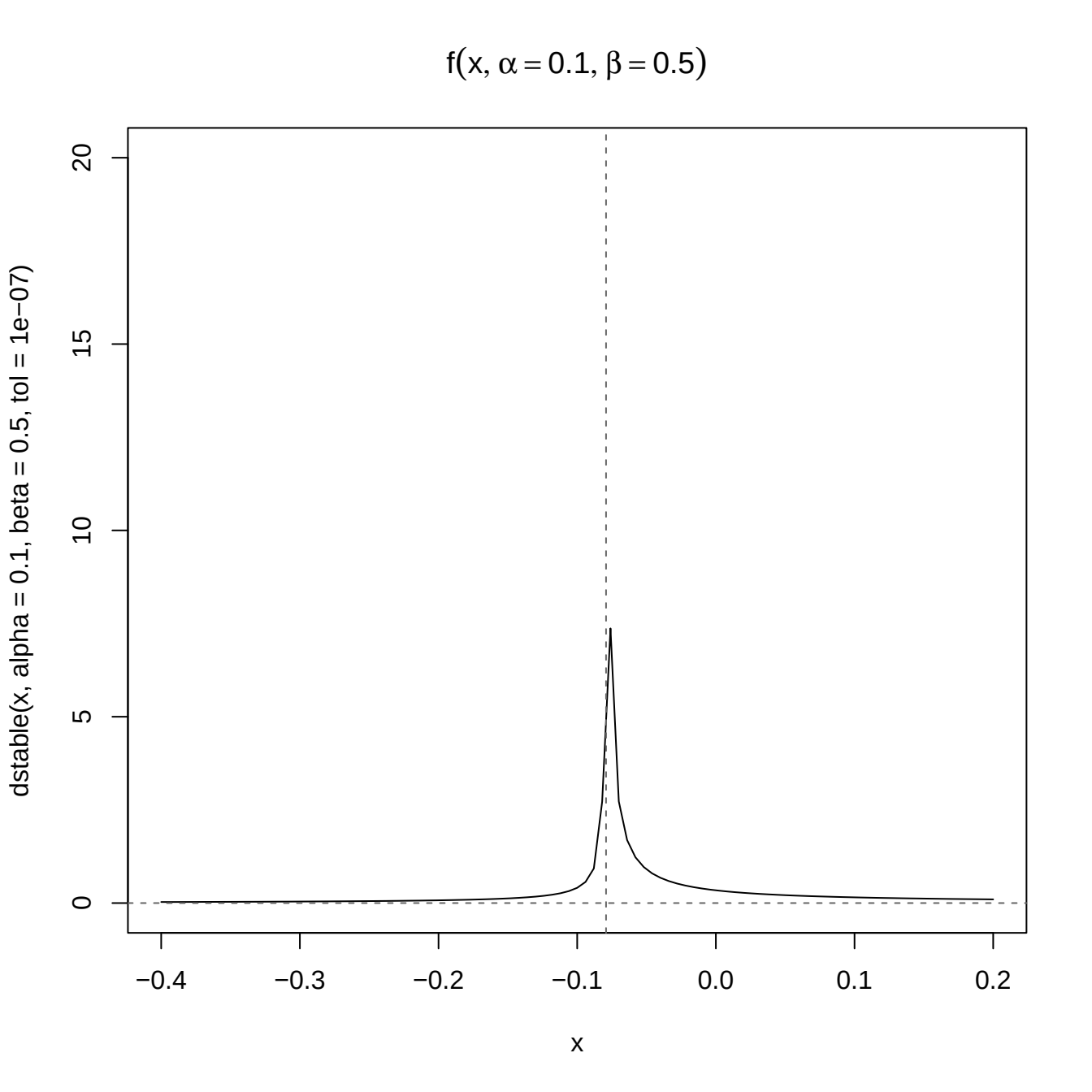

fx
1e−02
1e−04
1e−06
1e−08
1e−10
1e−12
1e+00
1e+01
1e+02
1e+03
1e+04
1e+05
1e+06
x

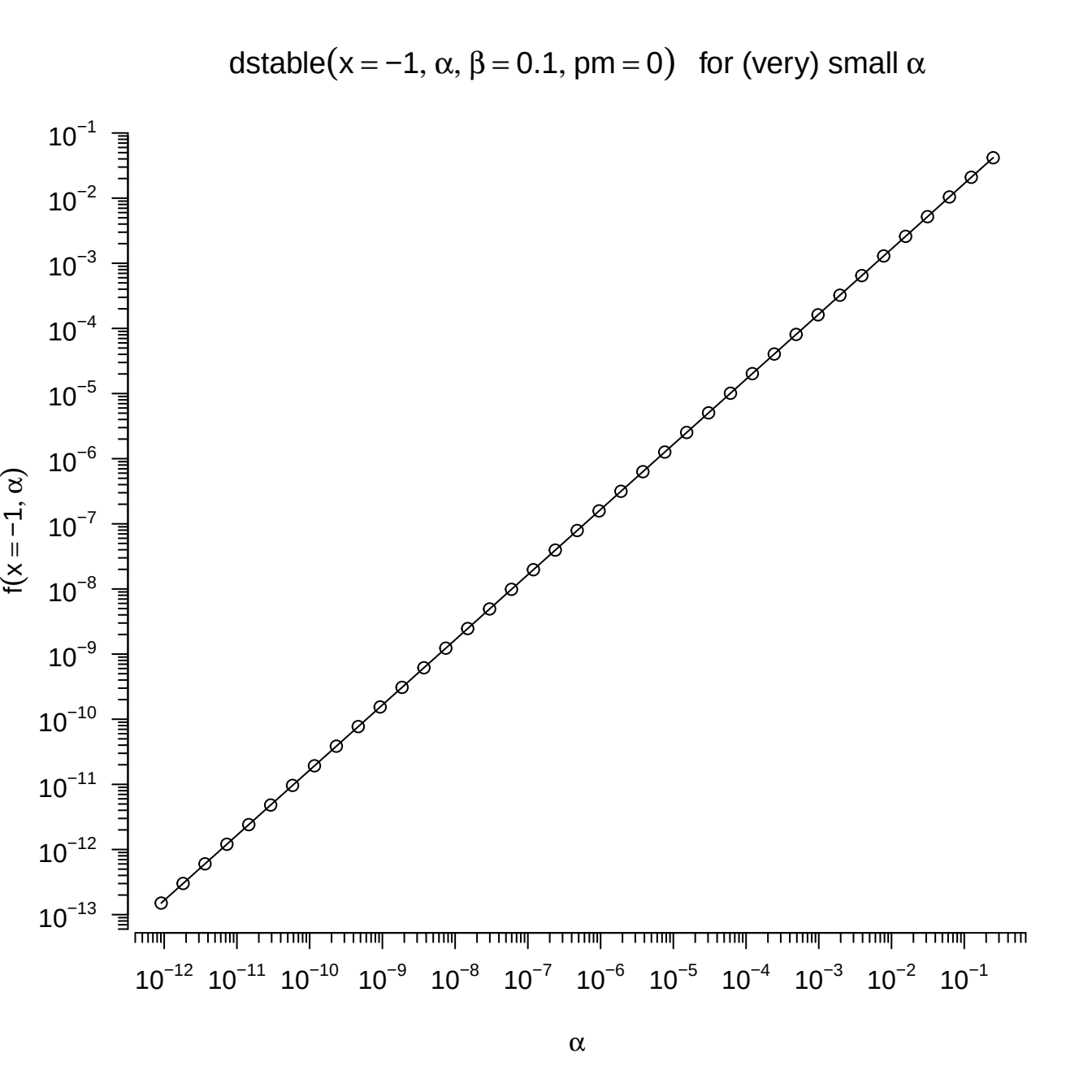

dstable(x, 0.75, −0.5)
0.05
0.10
0.15
0.20
0.25
0.30
0.35
−0.5
0.0
0.5
1.0
1.5
x

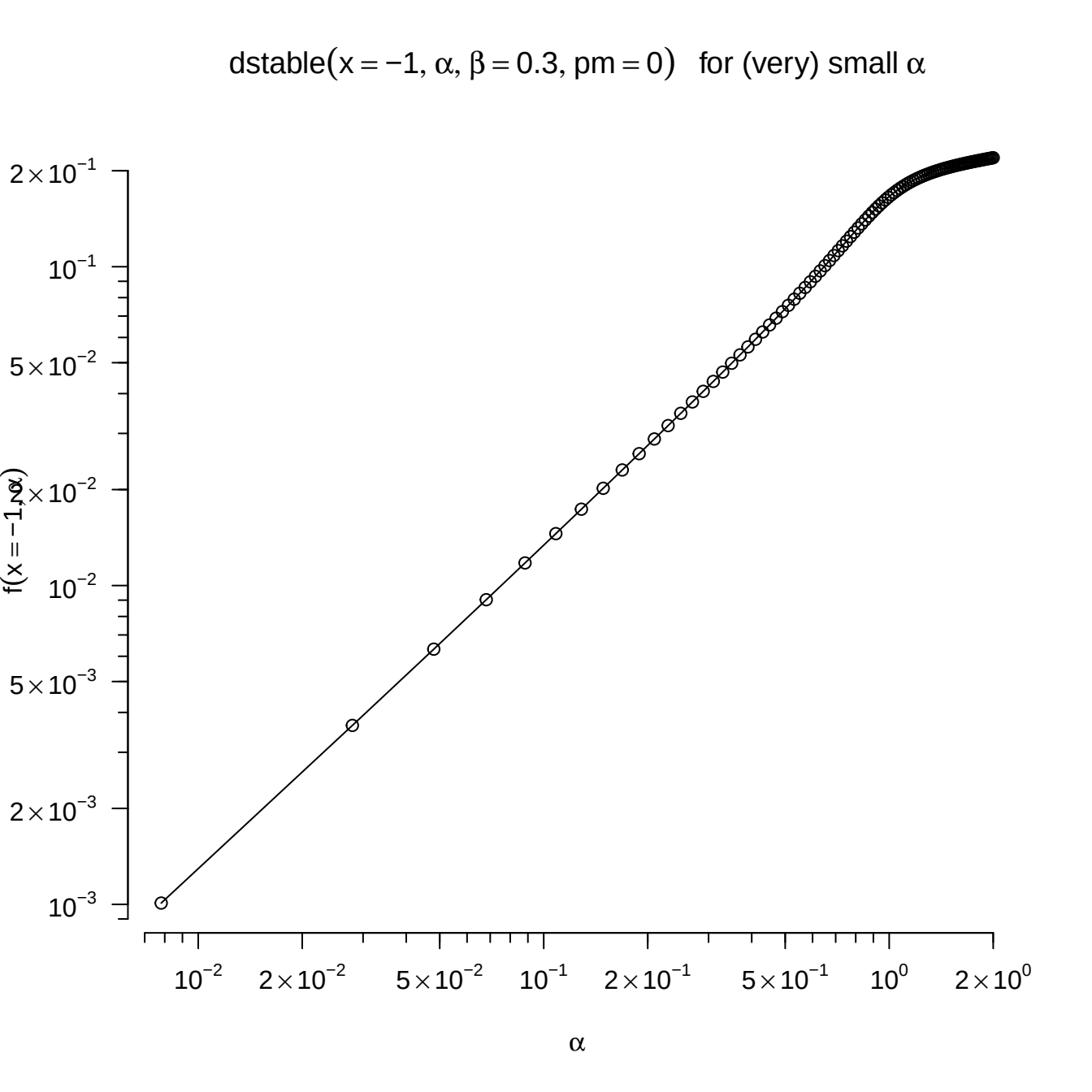

f(x, α = 0.1, β = 0, γ = 10^6)
fx0
x0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
−0.06
−0.04
−0.02
0.00
0.02
0.04
0.06

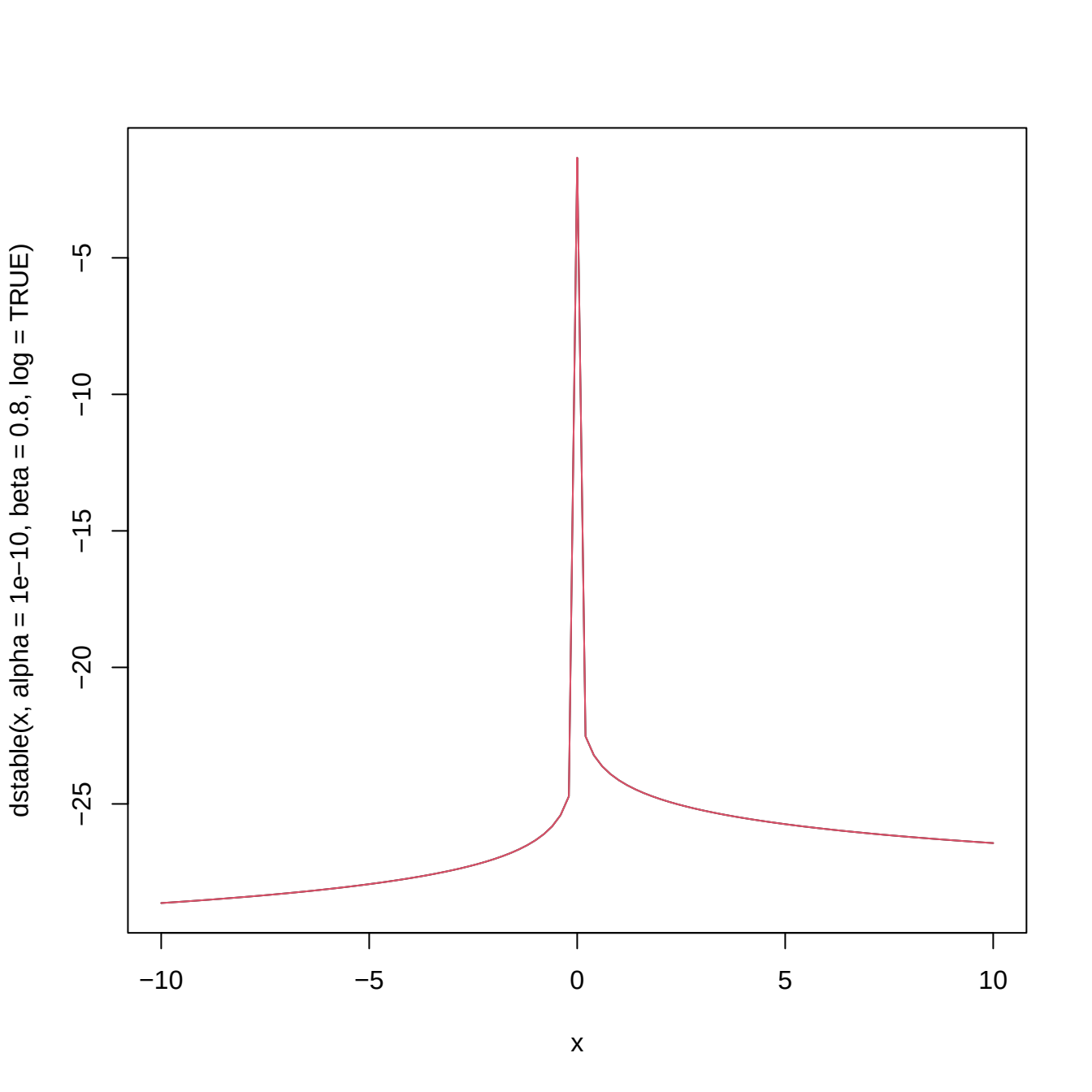

dstable(x, alpha = 0.3, beta = 0.5, tol = 1e−07)
0.0
0.5
1.0
1.5
2.0
−1.0
−0.5
0.0
0.5
1.0
x

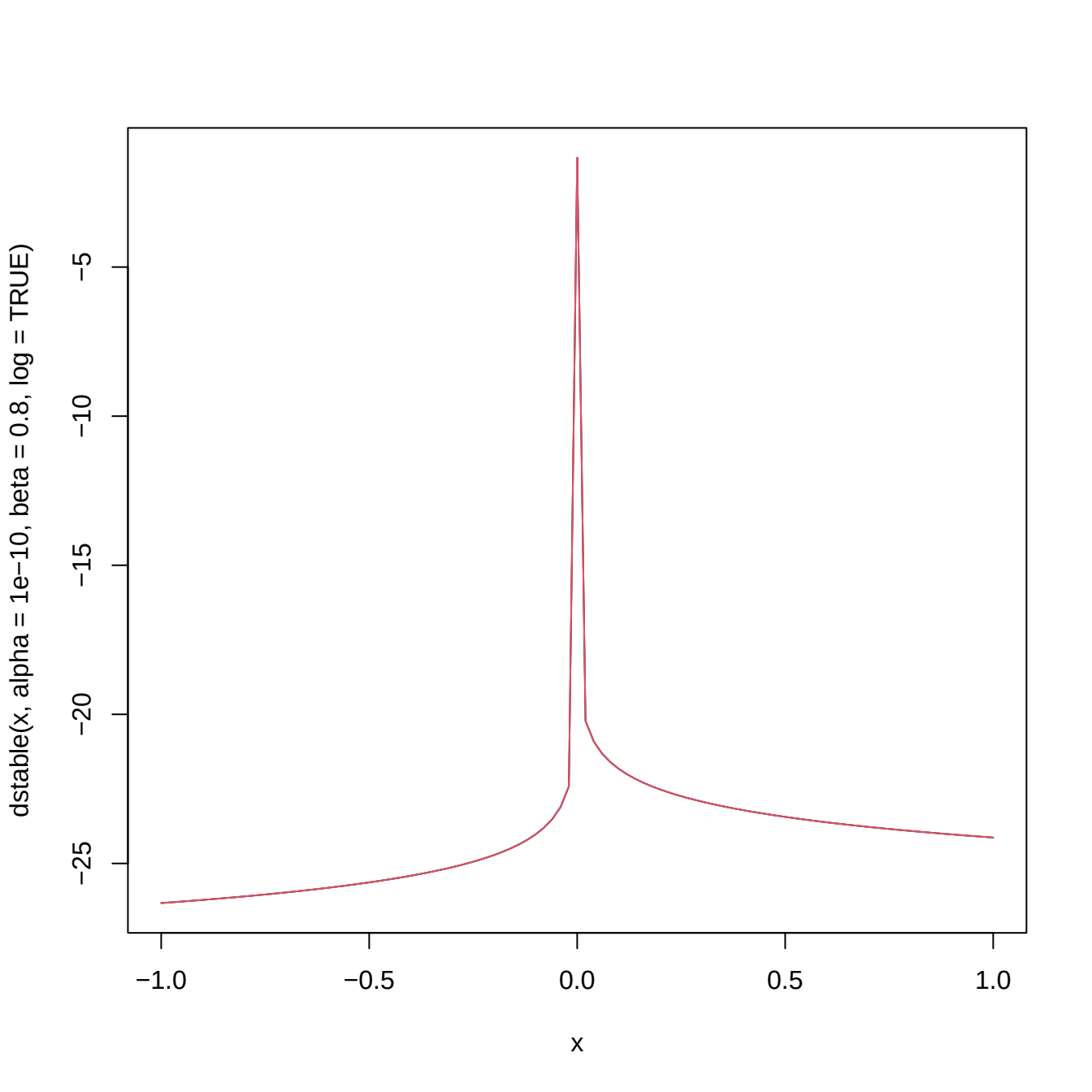

dstable(x, alpha = 0.3, beta = 0.5, tol = 1e−07)
2.5
2.0
1.5
1.0
−0.27
−0.26
−0.25
−0.24
−0.23
−0.22
x

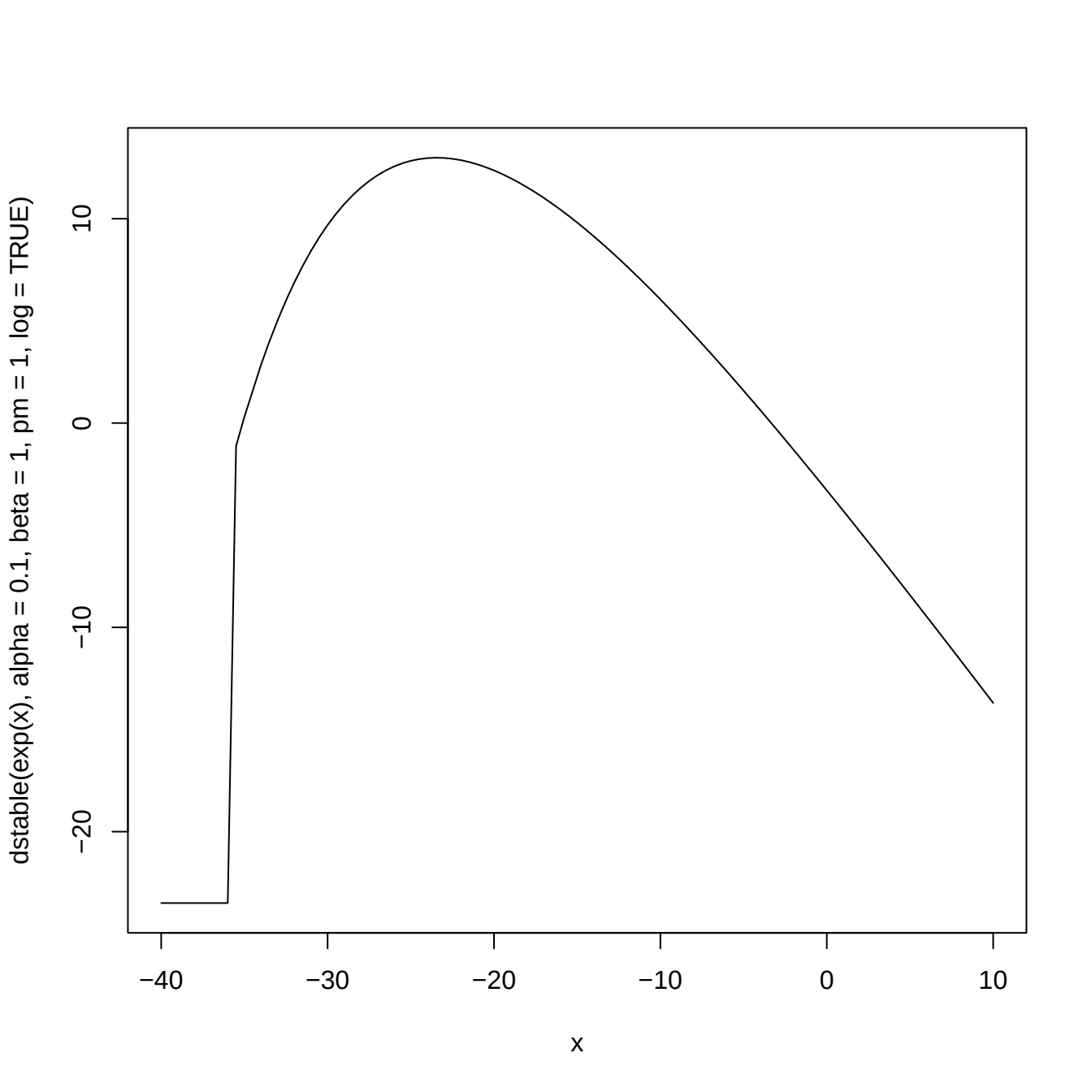

f(x, α = 0.1, β = 0.5)
dstable(x, alpha = 0.1, beta = 0.5, tol = 1e−07)
0
5
10
15
20
−0.4
−0.3
−0.2
−0.1
0.0
0.1
0.2
x

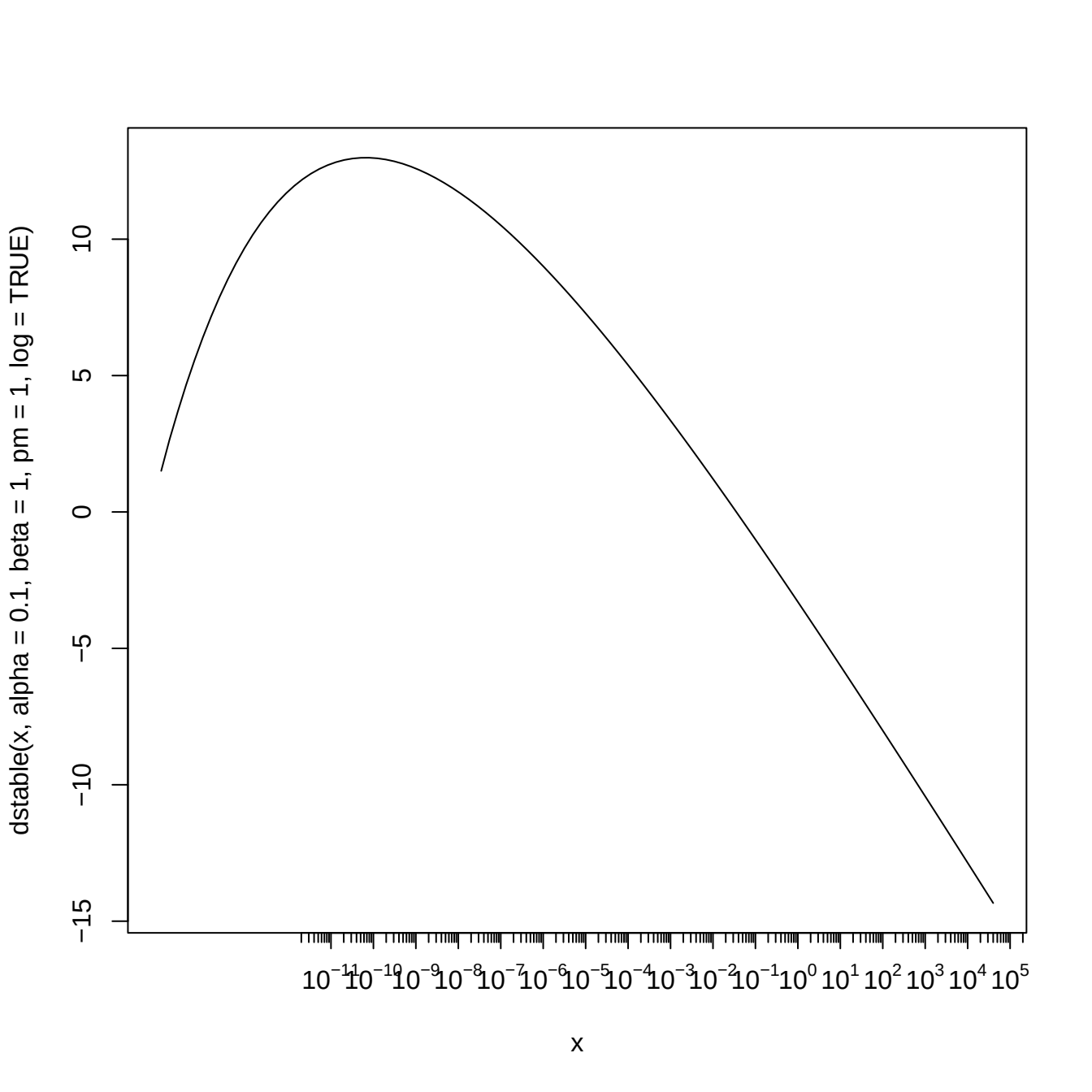

dstable(x = −1, α, β = 0.1, pm = 0) for (very) small α
f(x = −1, α)
10^−1
10^−2
10^−3
10^−4
10^−5
10^−6
10^−7
10^−8
10^−9
10^−10
10^−11
10^−12
10^−13
10^−12 10^−11 10^−10 10^−9 10^−8 10^−7 10^−6 10^−5 10^−4 10^−3 10^−2 10^−1
α

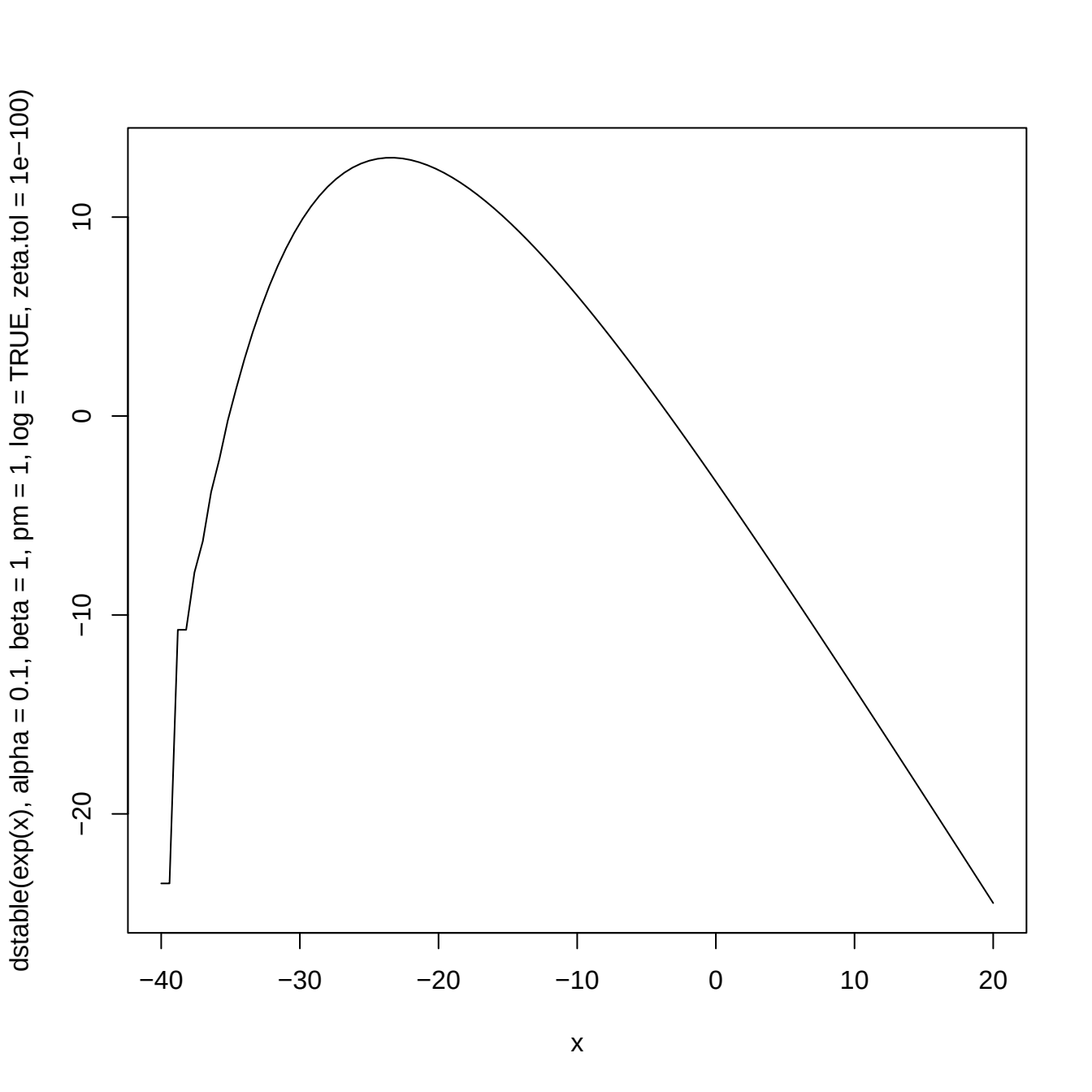

dstable(x = −1, α, β = 0.3, pm = 0) for (very) small α
f(x = −1, α)
α
2 × 10^−1
10^−1
5 × 10^−2
2 × 10^−2
10^−2
5 × 10^−3
2 × 10^−3
10^−3
10^−2
2 × 10^−2
5 × 10^−2
10^−1
2 × 10^−1
5 × 10^−1
10^0
2 × 10^0

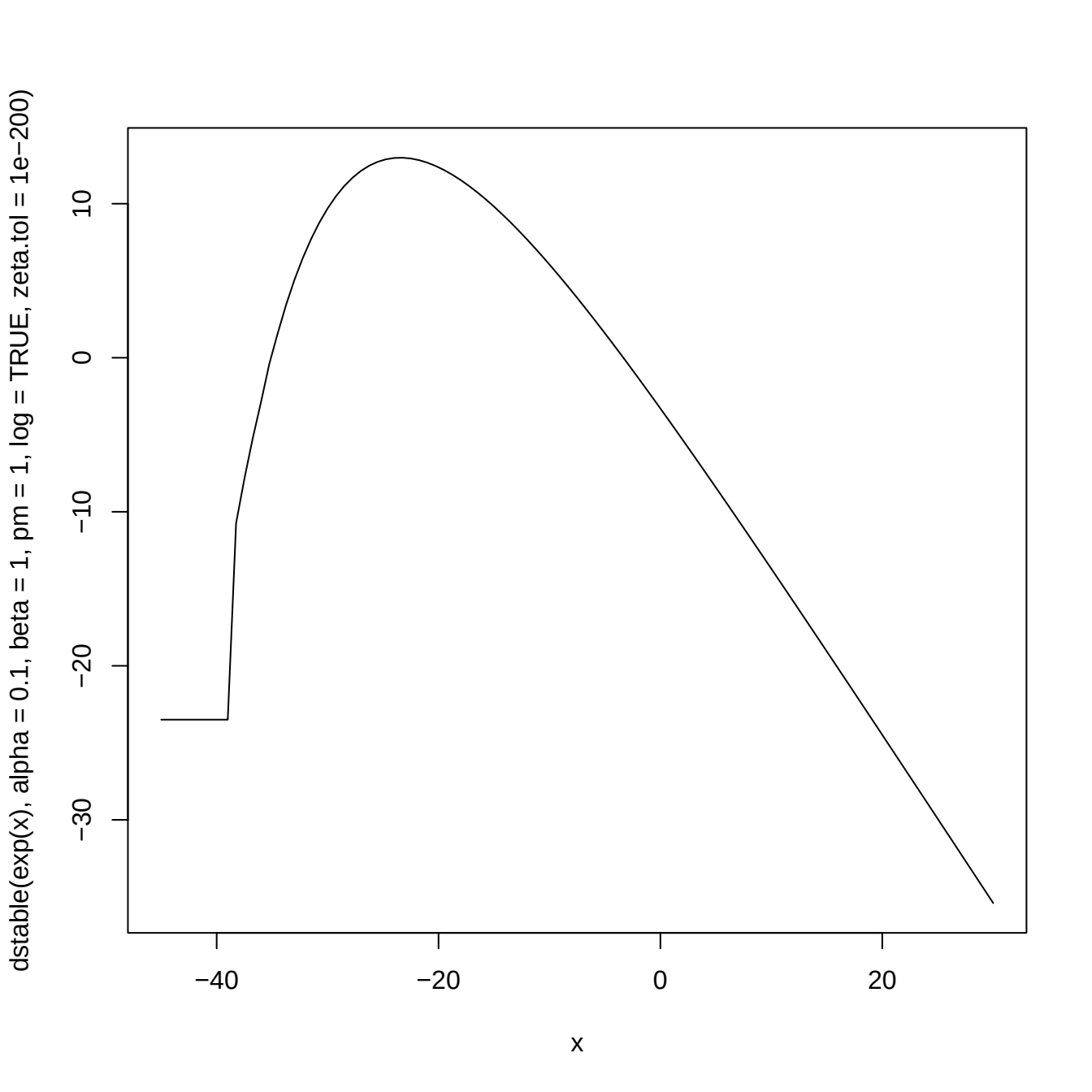

dstable(x, alpha = 1e−10, beta = 0.8, log = TRUE)
−5
−10
−15
−20
−25
−10
−5
0
5
10
x

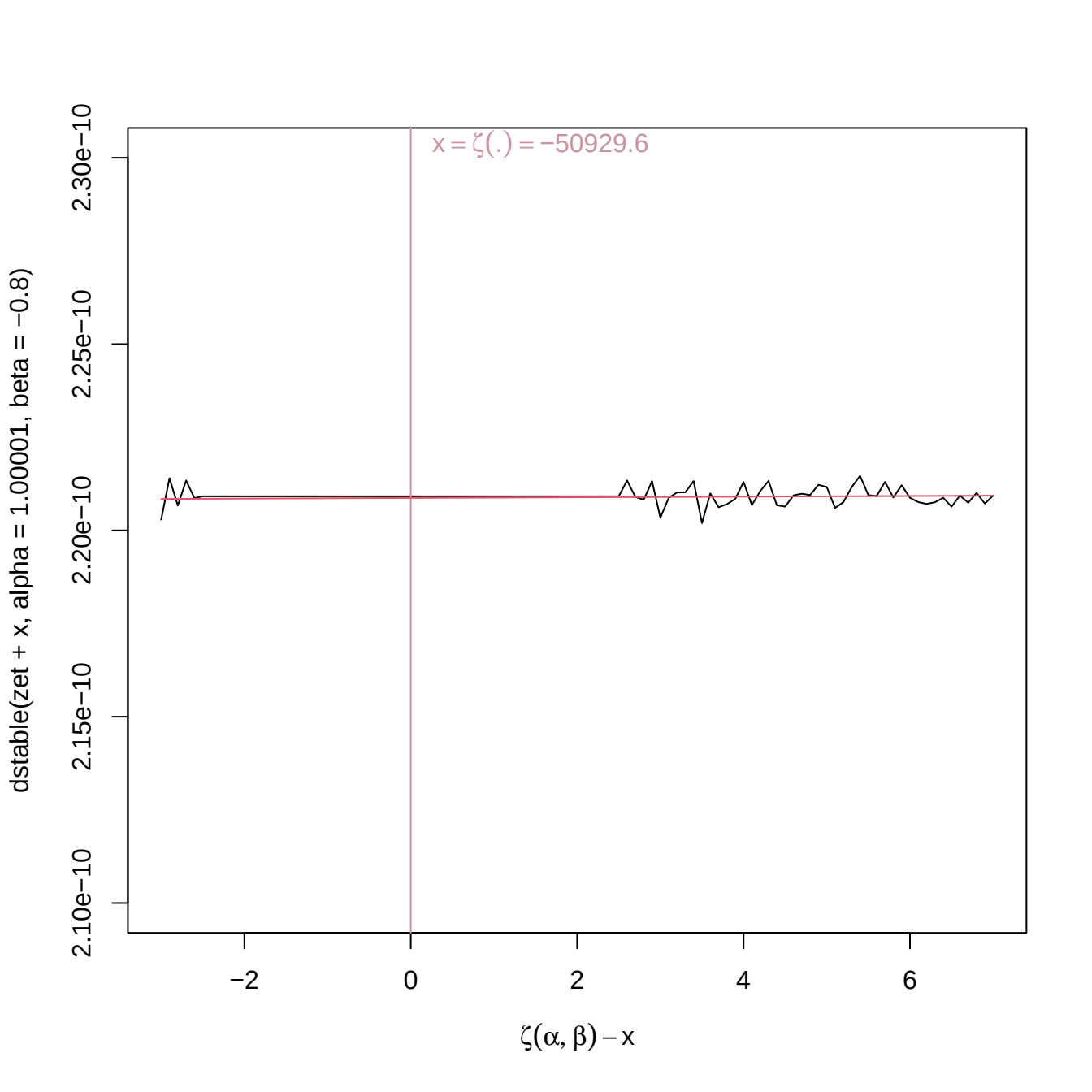

dstable(x, alpha = 1e−10, beta = 0.8, log = TRUE)
−5
−10
−15
−20
−25
−1.0
−0.5
0.0
0.5
1.0
x

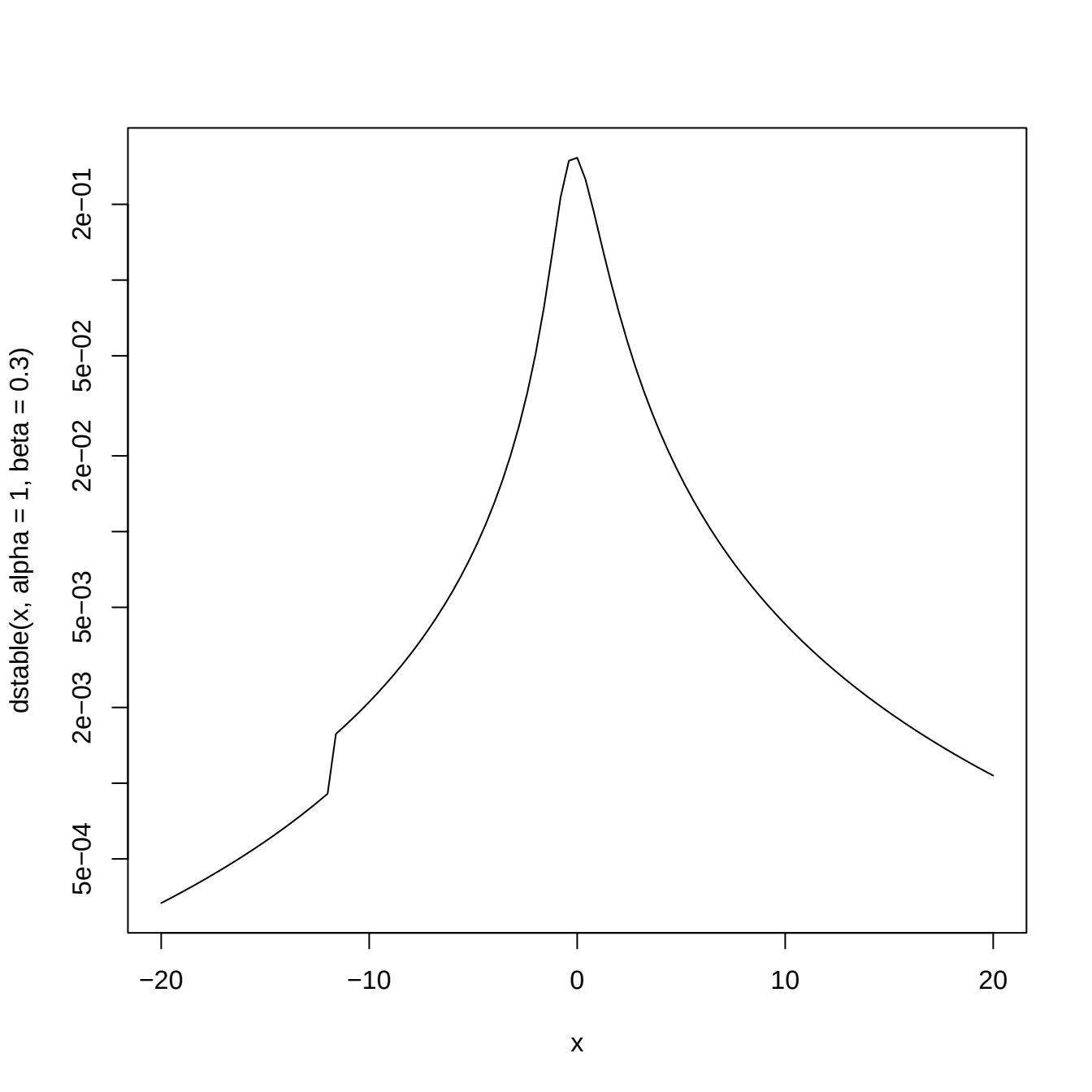

dstable(exp(x), alpha = 0.1, beta = 1, pm = 1, log = TRUE)
10
0
−10
−20
−40
−30
−20
−10
0
10
x

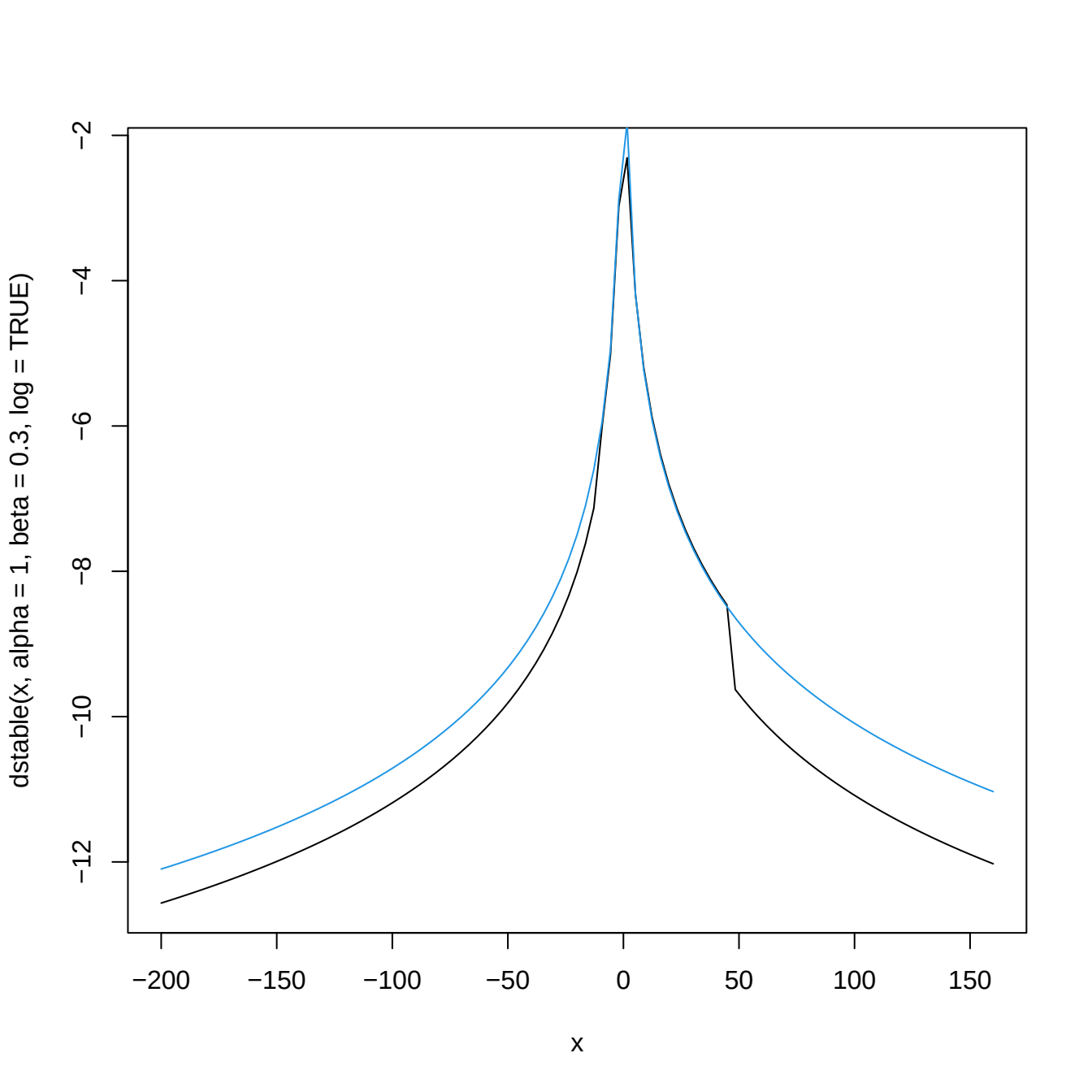

dstable(x, alpha = 0.1, beta = 1, pm = 1, log = TRUE)
10
5
0
−5
−10
−15
10^{-11} 10^{-10} 10^{-9} 10^{-8} 10^{-7} 10^{-6} 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5}
x

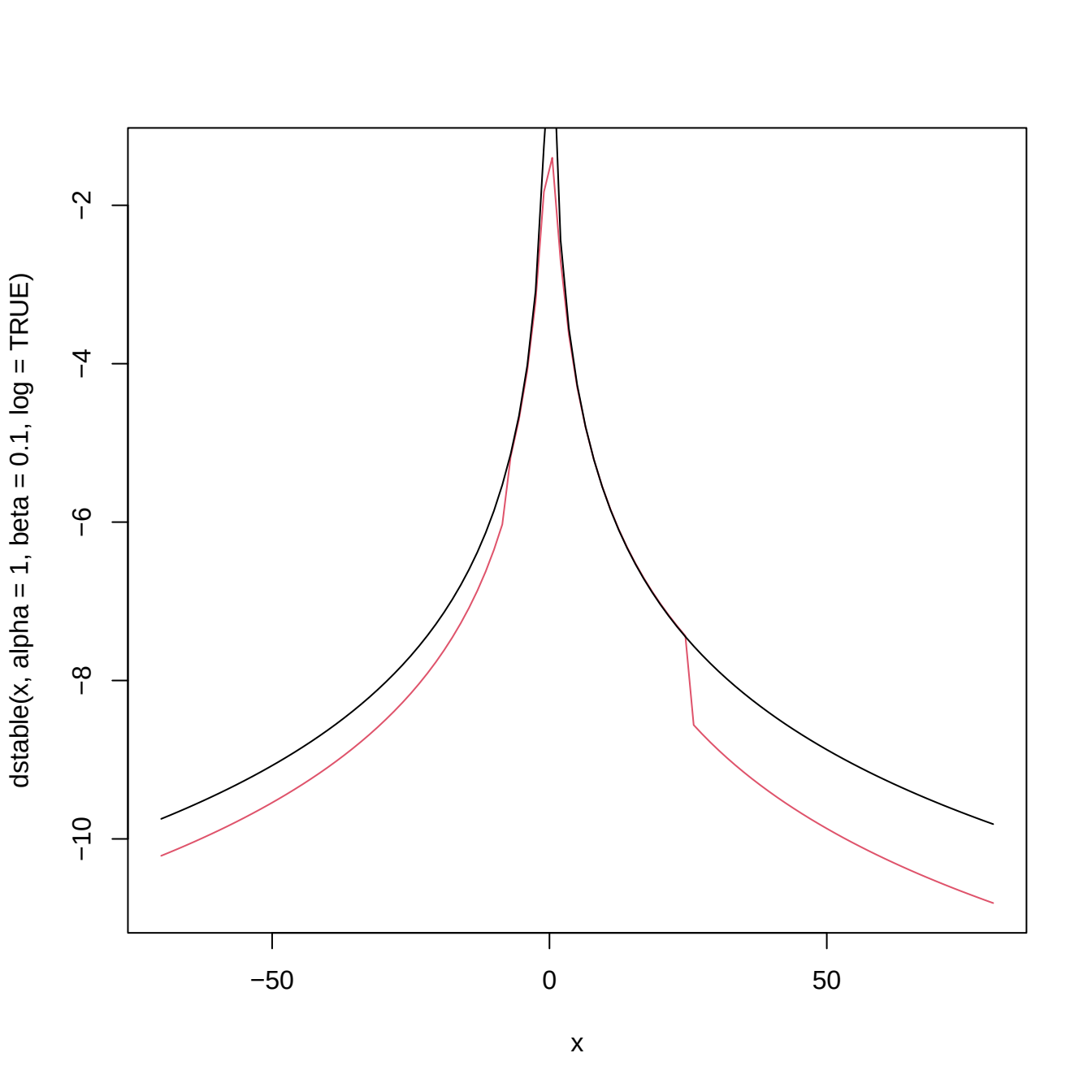

dstable(exp(x), alpha = 0.1, beta = 1, pm = 1, log = TRUE, zeta.tol = 1e−100)
10
0
−10
−20
−40
−30
−20
−10
0
10
20
x

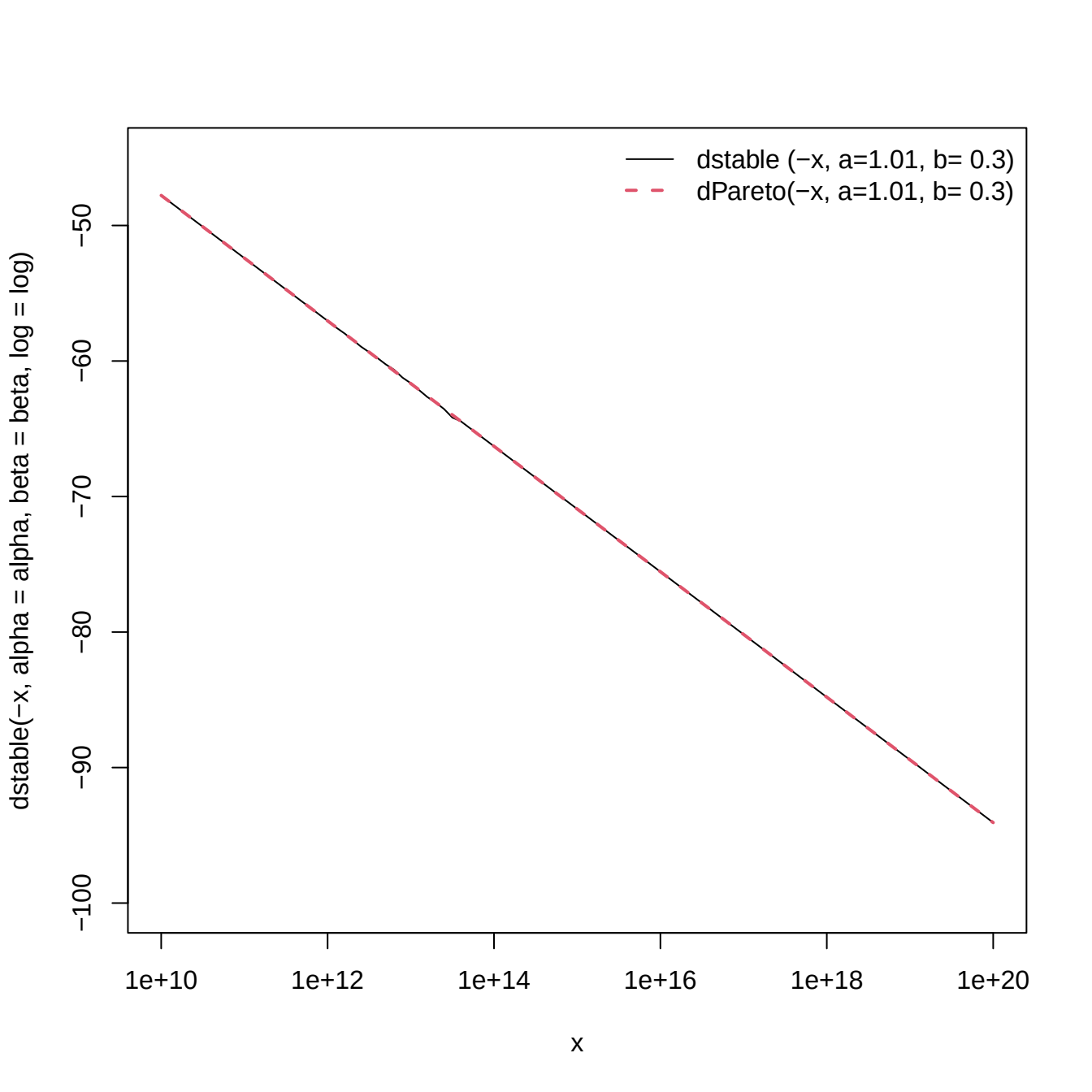

dstable(exp(x), alpha = 0.1, beta = 1, pm = 1, log = TRUE, zeta.tol = 1e−200)
10
0
−10
−20
−30
−40
−20
0
20
x

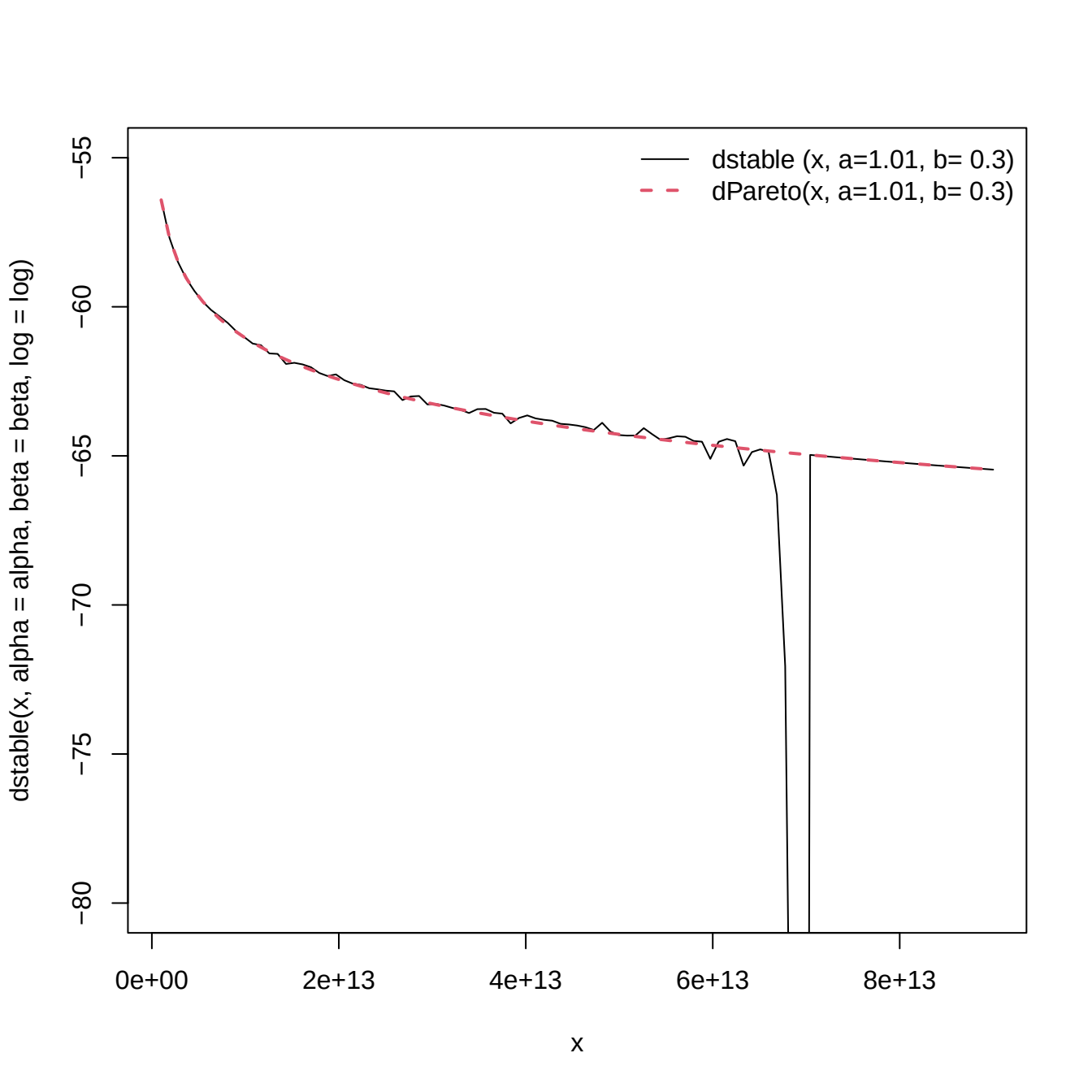

x = ζ(.) = −50929.6
dstable(zet + x, alpha = 1.00001, beta = −0.8)
2.30e−10
2.25e−10
2.20e−10
2.15e−10
2.10e−10
−2
0
2
4
6
ζ(α, β) − x

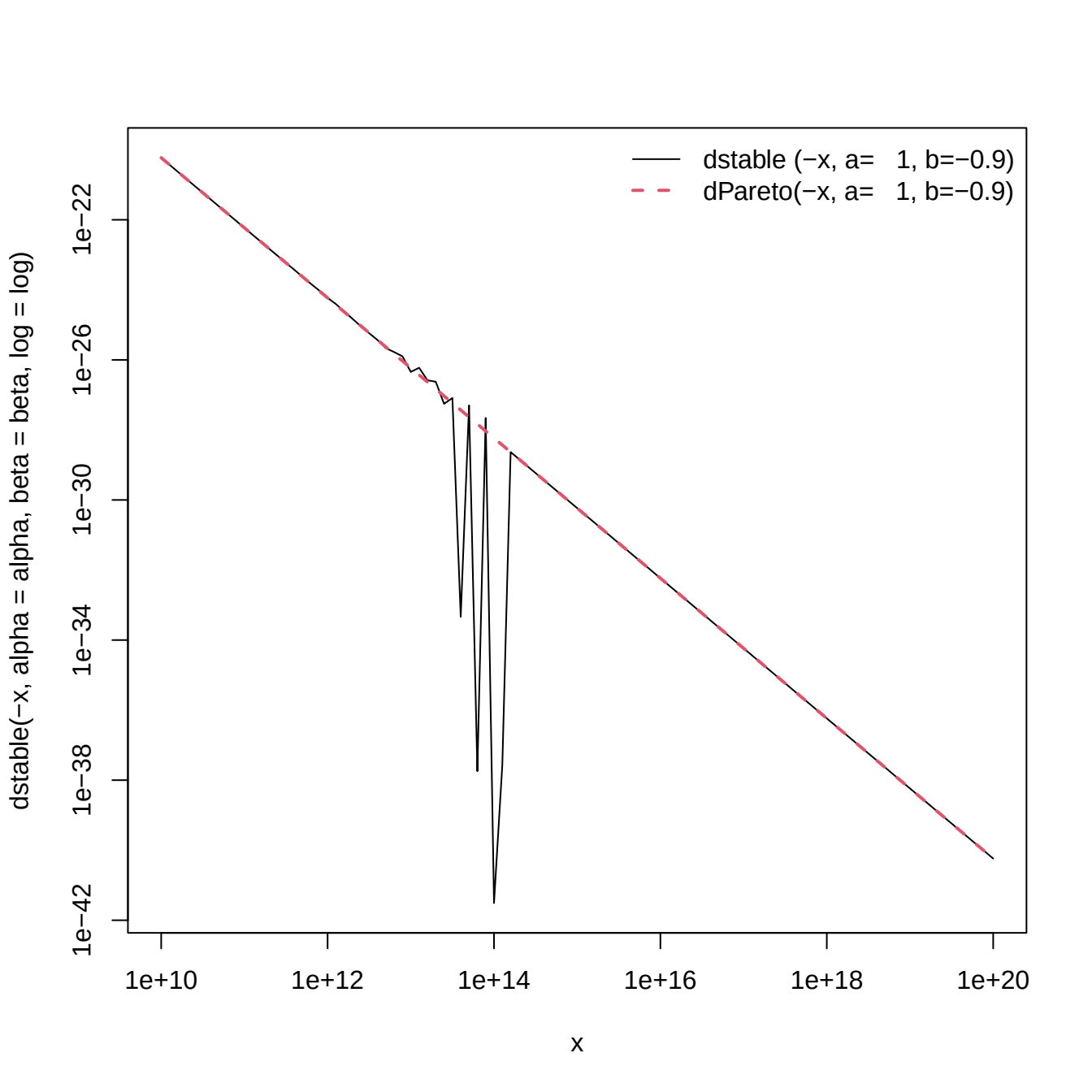

dstable(x, alpha = 1, beta = 0.3)
2e−01
5e−02
2e−02
5e−03
2e−03
5e−04
−20
−10
0
10
20
x

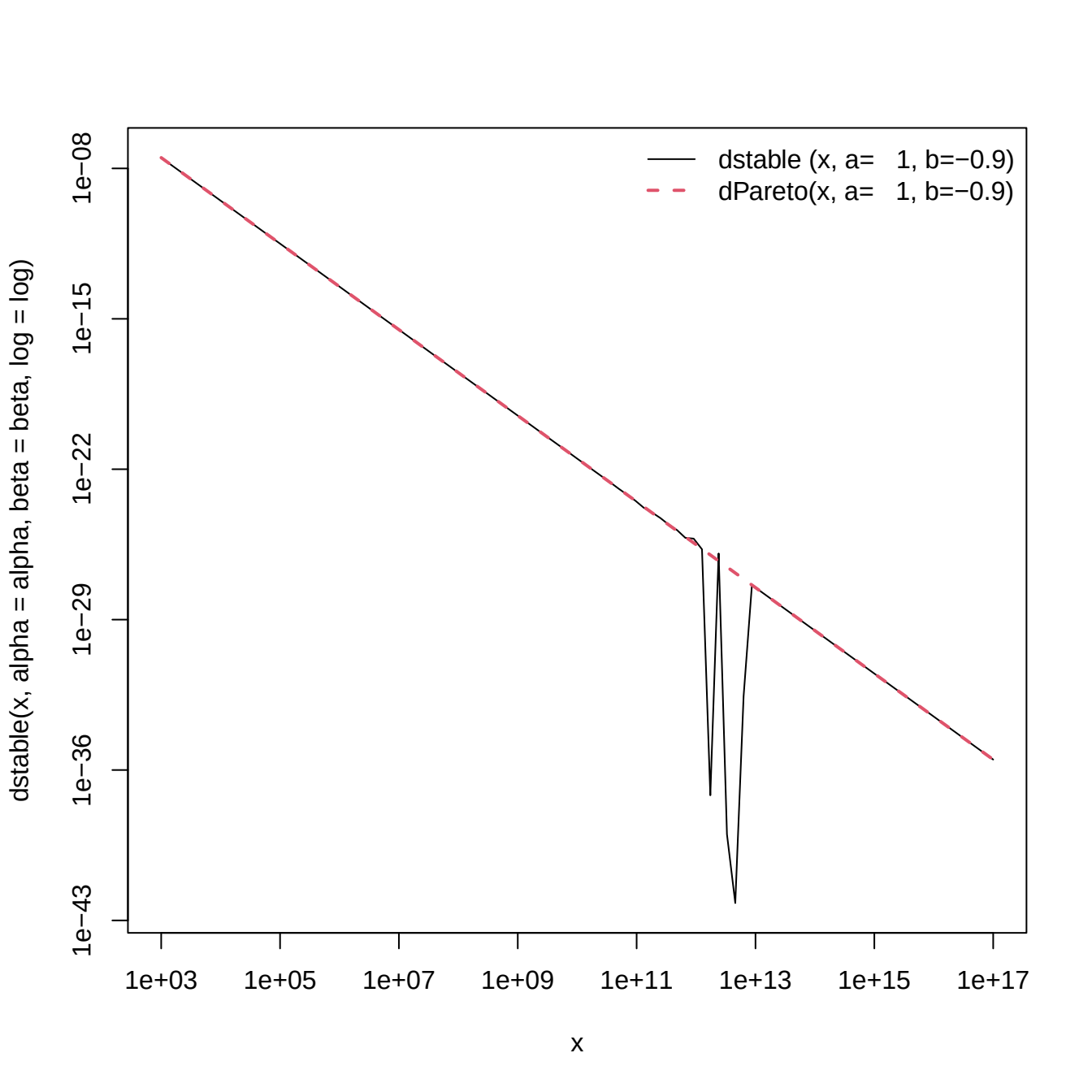

dstable(x, alpha = 1, beta = 0.3, log = TRUE)
−2
−4
−6
−8
−10
−12
−200
−150
−100
−50
0
50
100
150
x


dstable(x, alpha = 1, beta = 0.1, log = TRUE)
−2
−4
−6
−8
−10
−50
0
50
x


dstable (−x, a=1.01, b= 0.3)
dPareto(−x, a=1.01, b= 0.3)
dstable(−x, alpha = alpha, beta = beta, log = log)
−50
−60
−70
−80
−90
−100
1e+10
1e+12
1e+14
1e+16
1e+18
1e+20
x


dstable (x, a=1.01, b= 0.3)
dPareto(x, a=1.01, b= 0.3)
dstable(x, alpha = alpha, beta = beta, log = log)
−55
−60
−65
−70
−75
−80
0e+00
2e+13
4e+13
6e+13
8e+13
x


dstable (−x, a= 1, b=−0.9)
dPareto(−x, a= 1, b=−0.9)
dstable(−x, alpha = alpha, beta = beta, log = log)
1e−22
1e−26
1e−30
1e−34
1e−38
1e−42
1e+10
1e+12
1e+14
1e+16
1e+18
1e+20
x


dstable (x, a= 1, b=−0.9)
dPareto(x, a= 1, b=−0.9)
dstable(x, alpha = alpha, beta = beta, log = log)
1e−08
1e−15
1e−22
1e−29
1e−36
1e−43
1e+03
1e+05
1e+07
1e+09
1e+11
1e+13
1e+15
1e+17
x