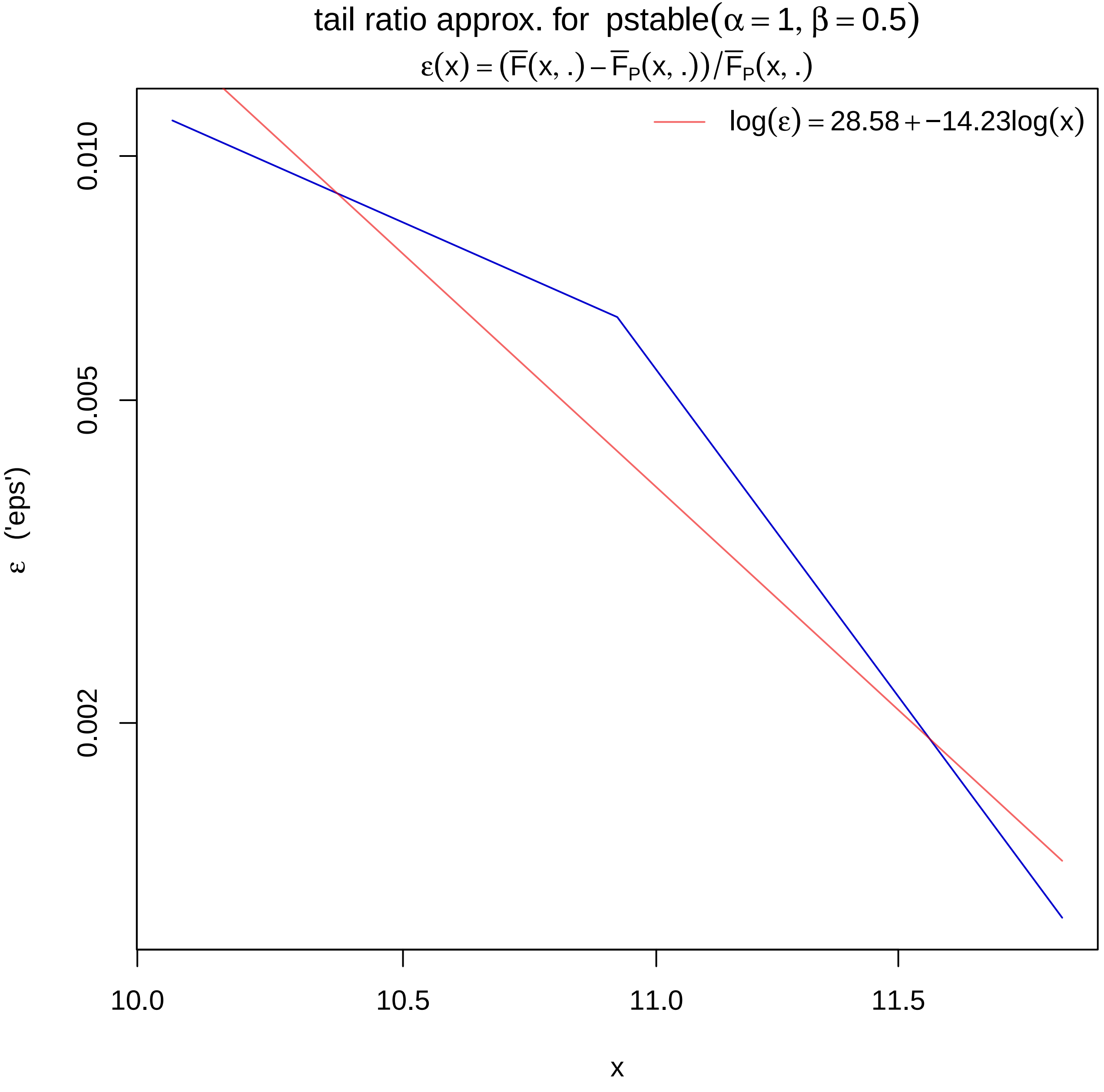
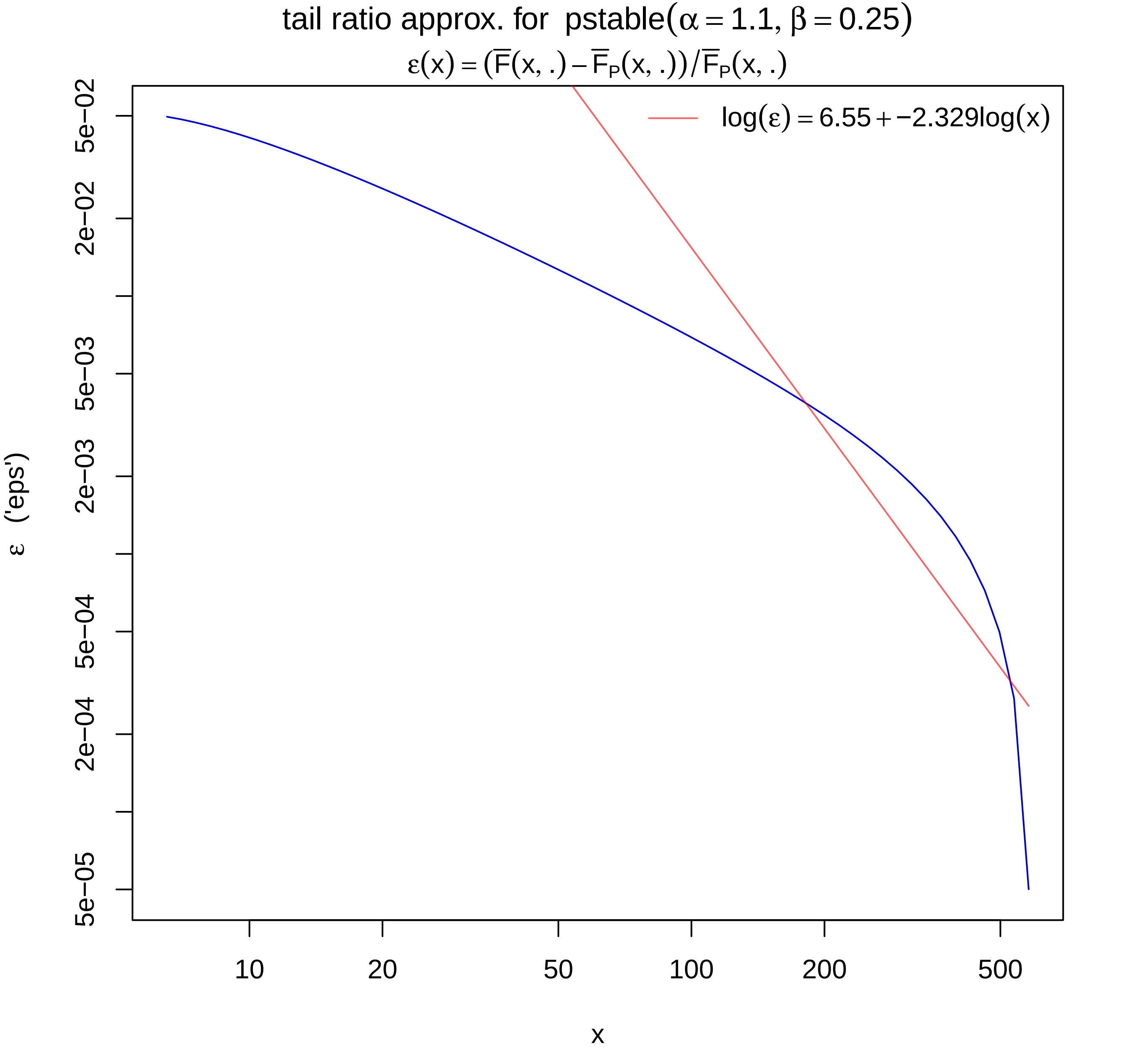
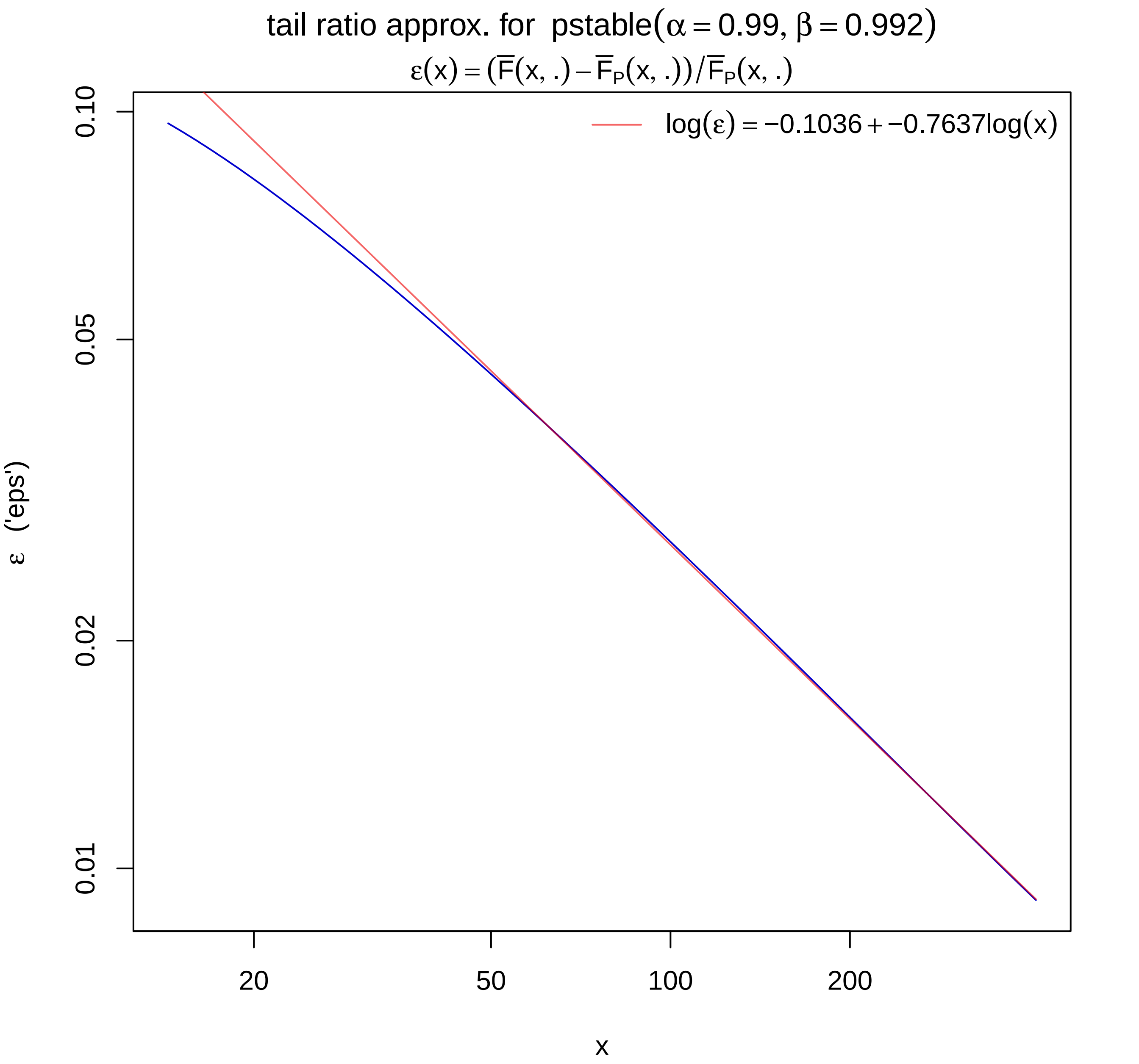


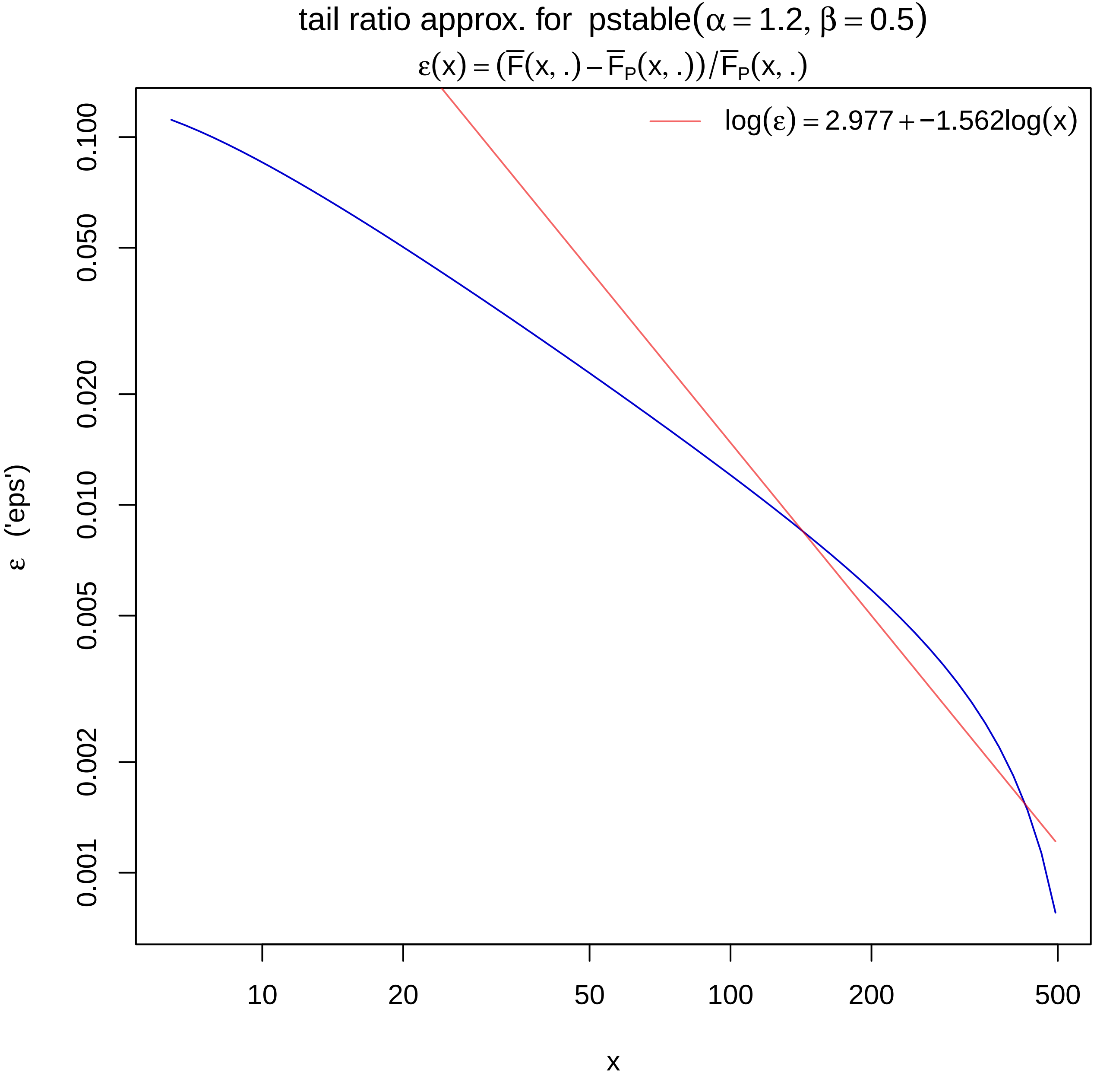
tail ratio approx. for pstable(α = 1, β = 0.5)
ε(x) = (F̅(x, .) − F̅P(x, .))/F̅P(x, .)
log(ε) = 28.58 + −14.23log(x)
0.010
0.005
0.002
ε ('eps')
10.0
10.5
11.0
11.5
x



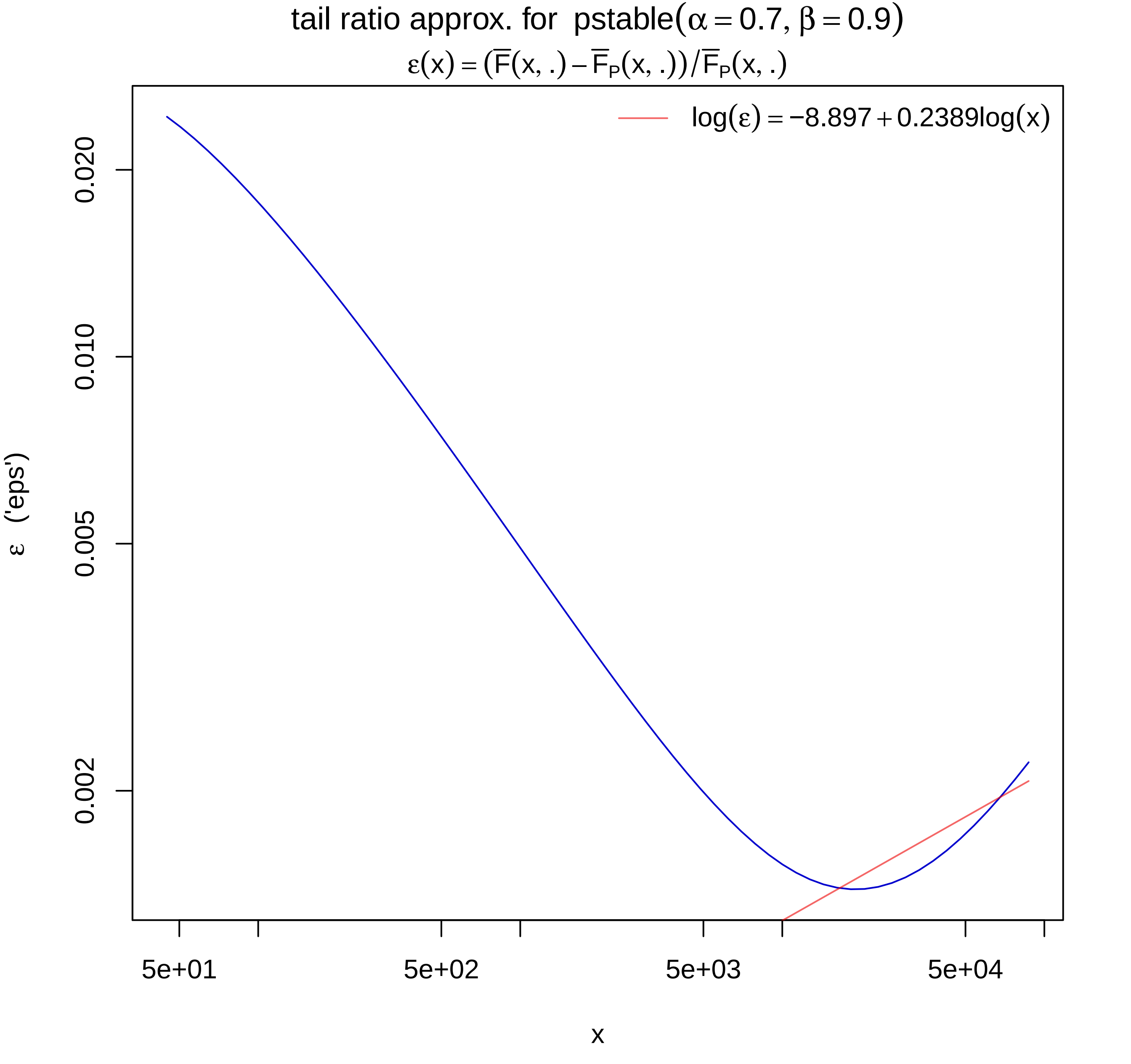
tail ratio approx. for pstable(α = 1.1, β = 0.25)
ε(x) = (F̄(x, .) − F̄P(x, .))/F̄P(x, .)
log(ε) = 6.55 + −2.329log(x)
5e−02
2e−02
5e−03
2e−03
5e−04
2e−04
5e−05
ε ('eps')
10
20
50
100
200
500
x



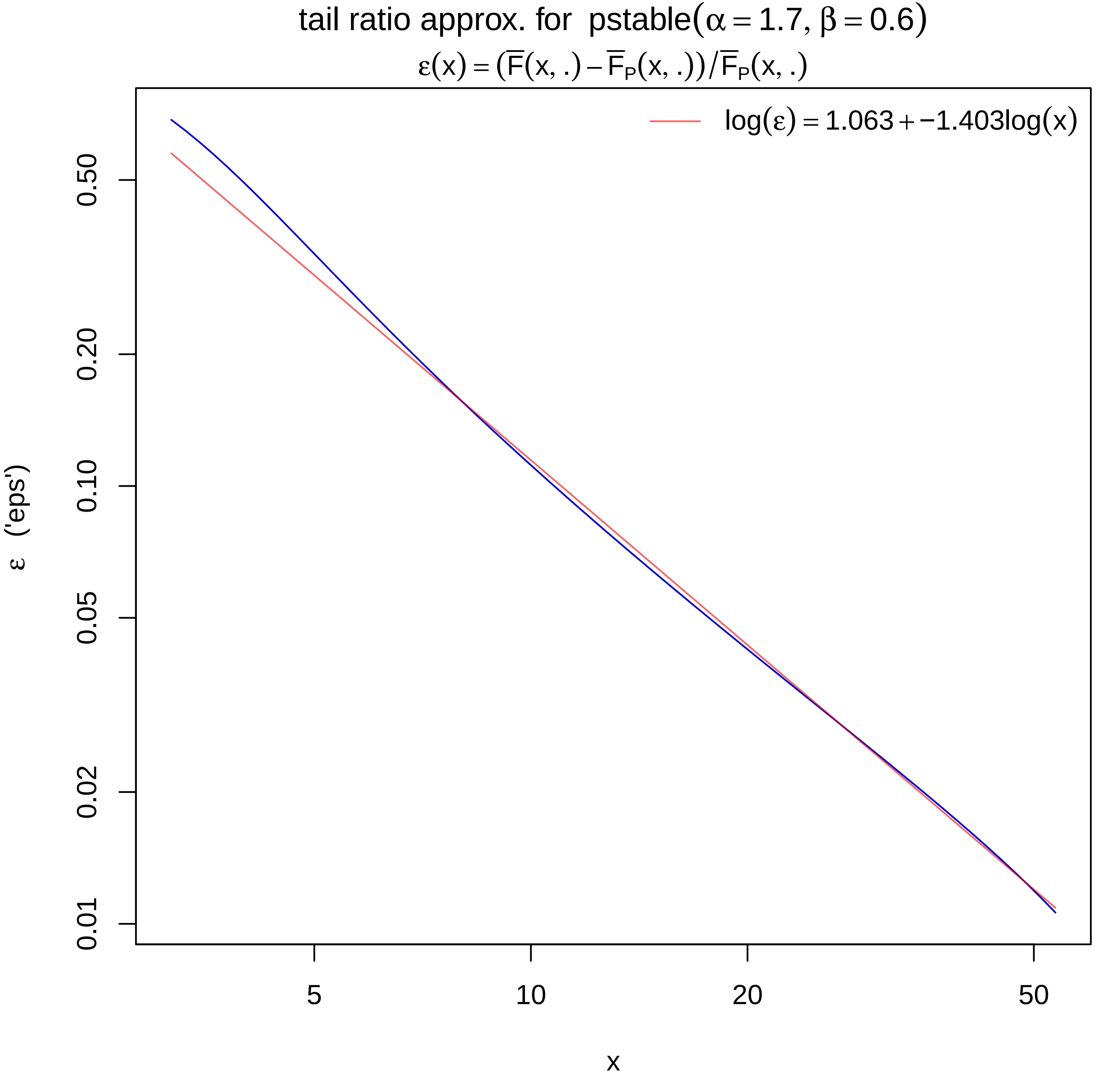
tail ratio approx. for pstable(α = 0.99, β = 0.992)
ε(x) = (F̄(x, .) − F̄P(x, .))/F̄P(x, .)
log(ε) = −0.1036 + −0.7637log(x)
0.10
0.05
0.02
0.01
ε ('eps')
20
50
100
200
x



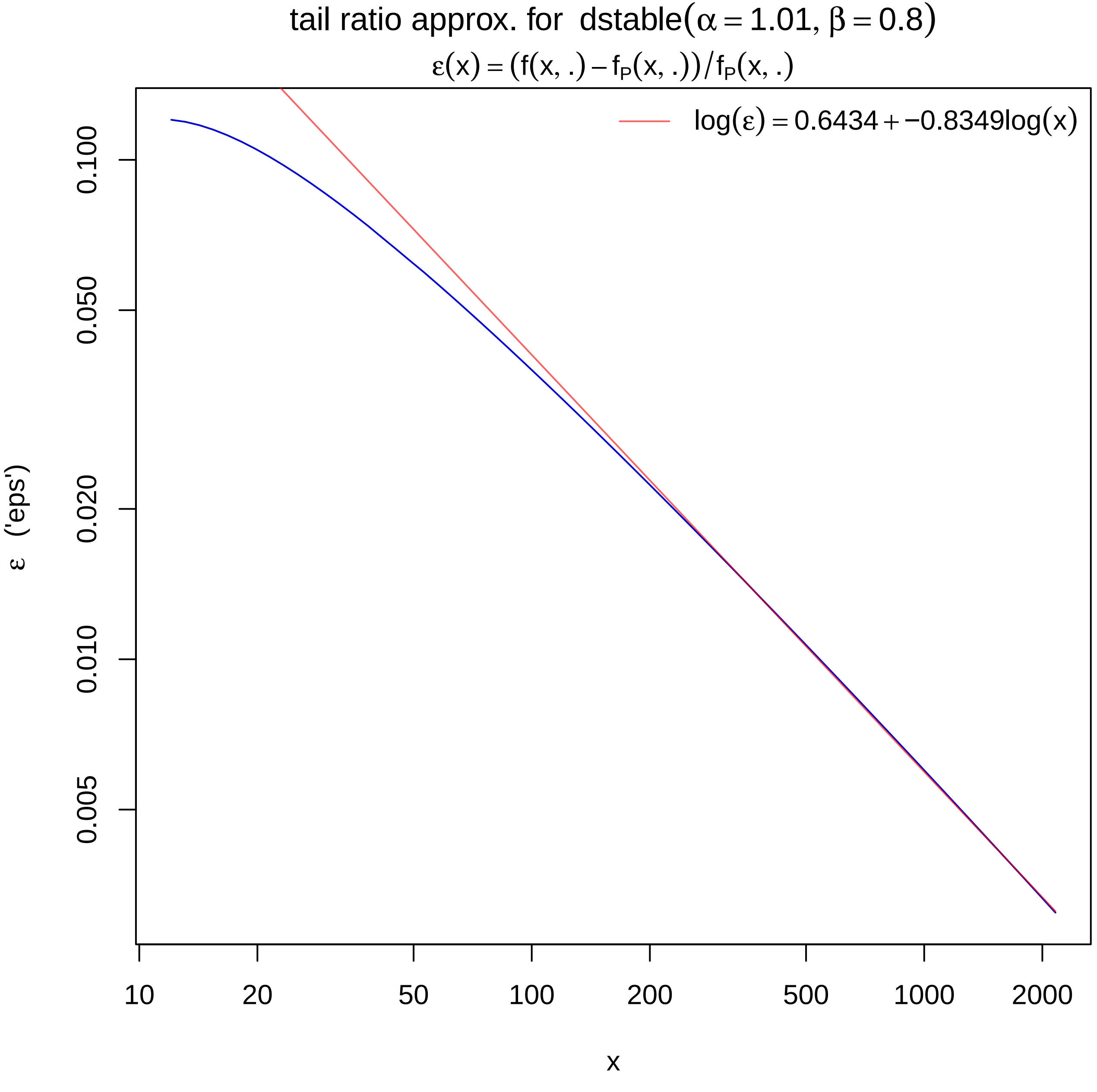
tail ratio approx. for pstable(α = 1.2, β = 0.5)
ε(x) = (F̄(x, .) − F̄P(x, .))/F̄P(x, .)
log(ε) = 2.977 + −1.562log(x)
ε ('eps')
0.100
0.050
0.020
0.010
0.005
0.002
0.001
10
20
50
100
200
500
x



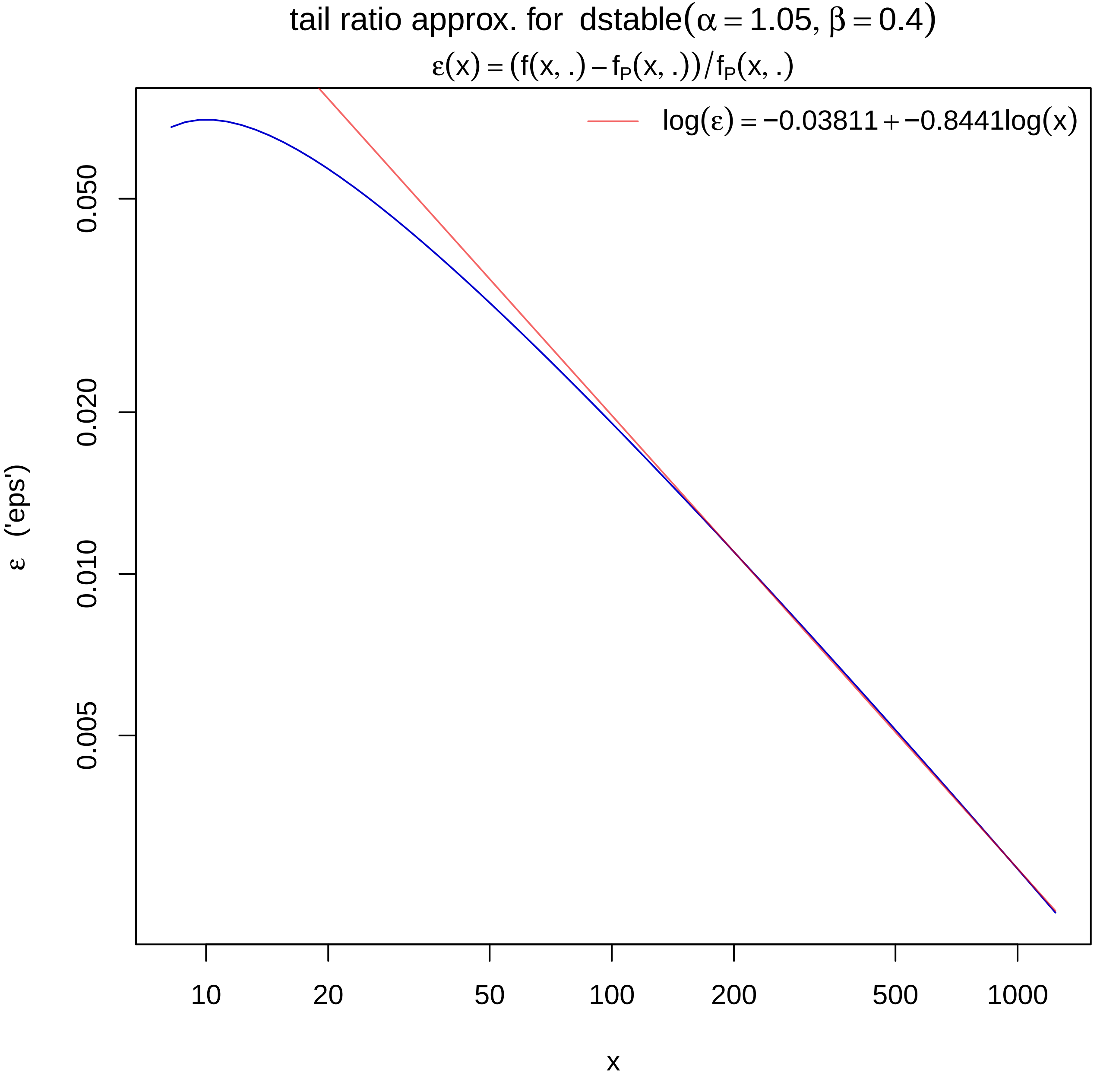
tail ratio approx. for pstable(α = 0.7, β = 0.9)
ε(x) = (F̄(x, .) − F̄P(x, .))/F̄P(x, .)
log(ε) = −8.897 + 0.2389log(x)
0.020
0.010
0.005
0.002
ε ('eps')
5e+01
5e+02
5e+03
5e+04
x

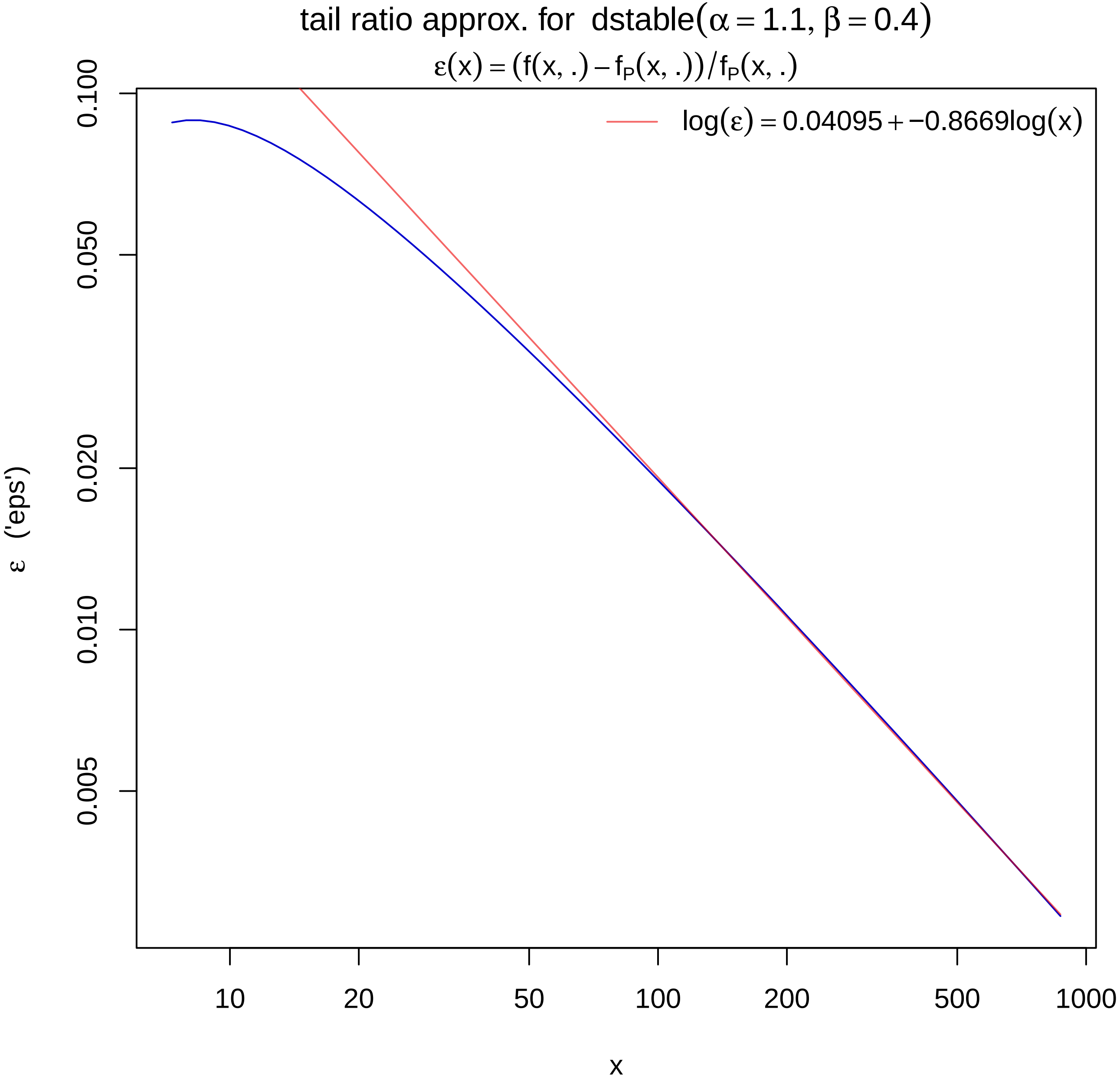


tail ratio approx. for pstable(α = 1.7, β = 0.6)
ε(x) = (F̄(x, .) − F̄_P(x, .))/F̄_P(x, .)
log(ε) = 1.063 + −1.403log(x)
0.50
0.20
0.10
0.05
0.02
0.01
ε ('eps')
5
10
20
50
x

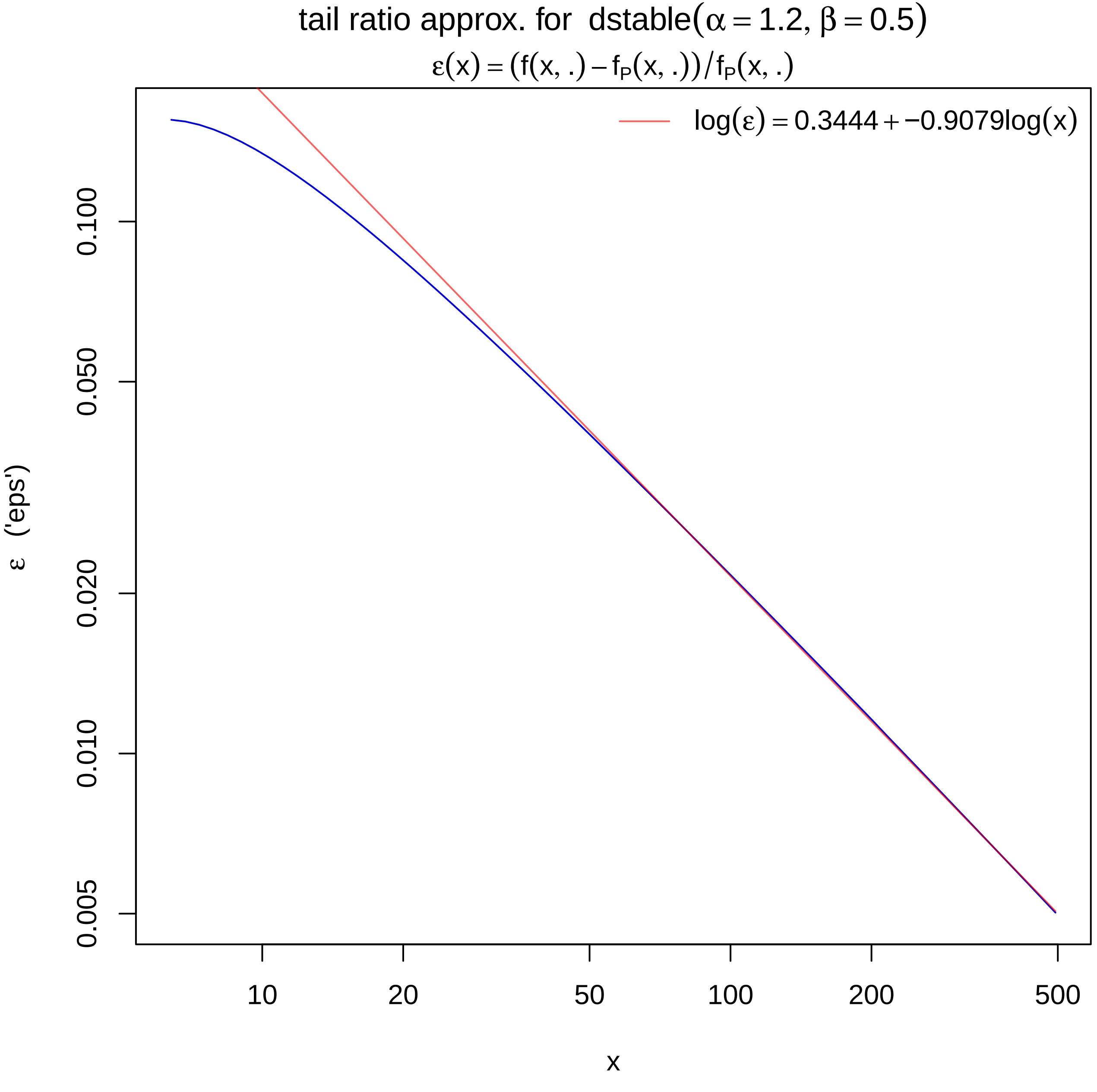


tail ratio approx. for dstable(α = 1.01, β = 0.8)
ε(x) = (f(x, .) − fP(x, .))/fP(x, .)
log(ε) = 0.6434 + −0.8349log(x)
0.100
0.050
0.020
0.010
0.005
ε ('eps')
10
20
50
100
200
500
1000
2000
x

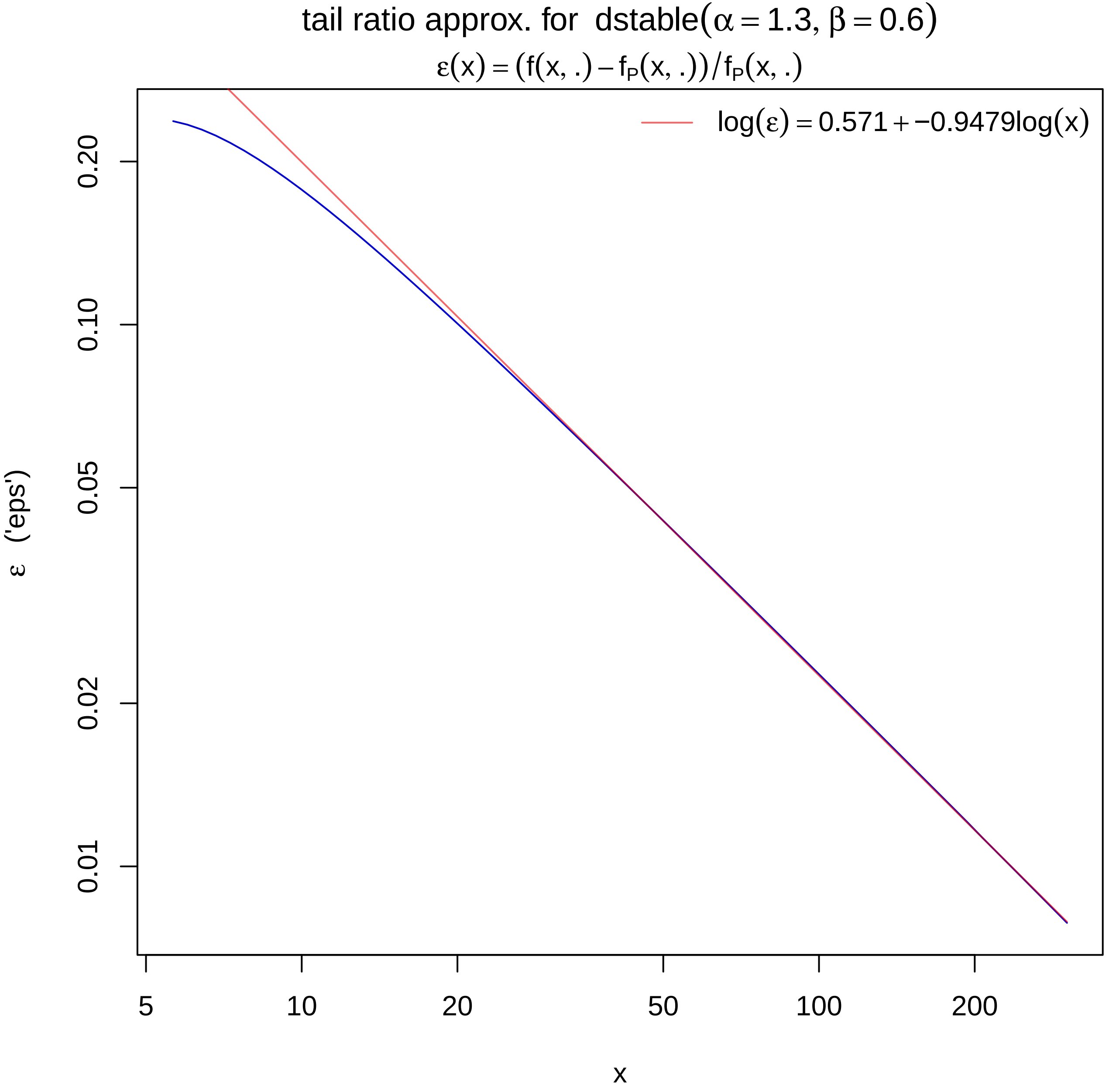

tail ratio approx. for dstable(α = 1.05, β = 0.4)
ε(x) = (f(x, .) − f_P(x, .))/f_P(x, .)
log(ε) = −0.03811 + −0.8441log(x)
0.050
0.020
0.010
0.005
ε ('eps')
10
20
50
100
200
500
1000
x



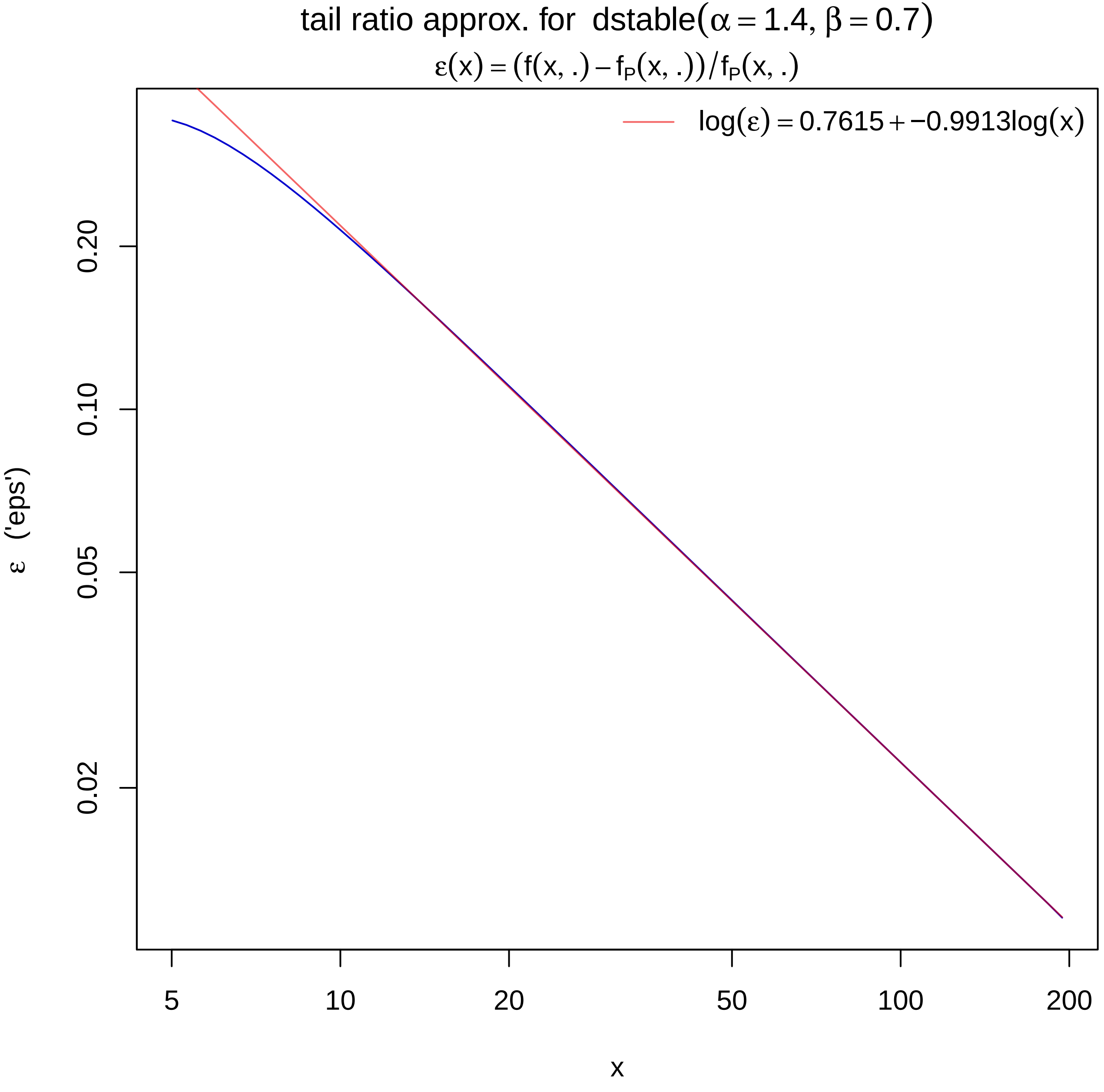
tail ratio approx. for dstable(α = 1.1, β = 0.4)
ε(x) = (f(x, .) − f_P(x, .))/f_P(x, .)
log(ε) = 0.04095 + −0.8669log(x)
0.100
0.050
0.020
0.010
0.005
ε ('eps')
10
20
50
100
200
500
1000
x

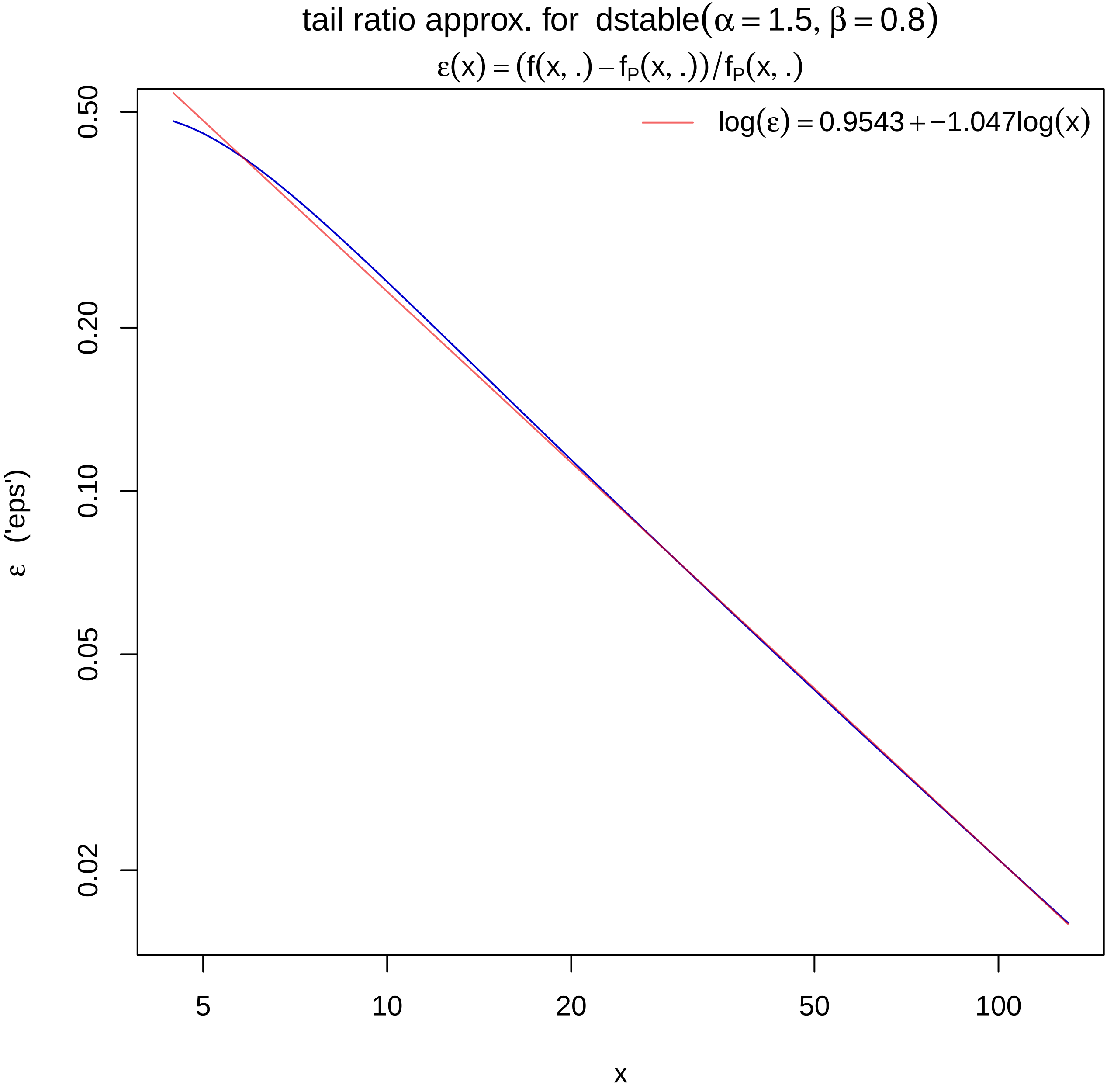


tail ratio approx. for dstable(α = 1.2, β = 0.5)
ε(x) = (f(x, .) − f_P(x, .))/f_P(x, .)
log(ε) = 0.3444 + −0.9079log(x)
ε ('eps')
0.100
0.050
0.020
0.010
0.005
10
20
50
100
200
500
x

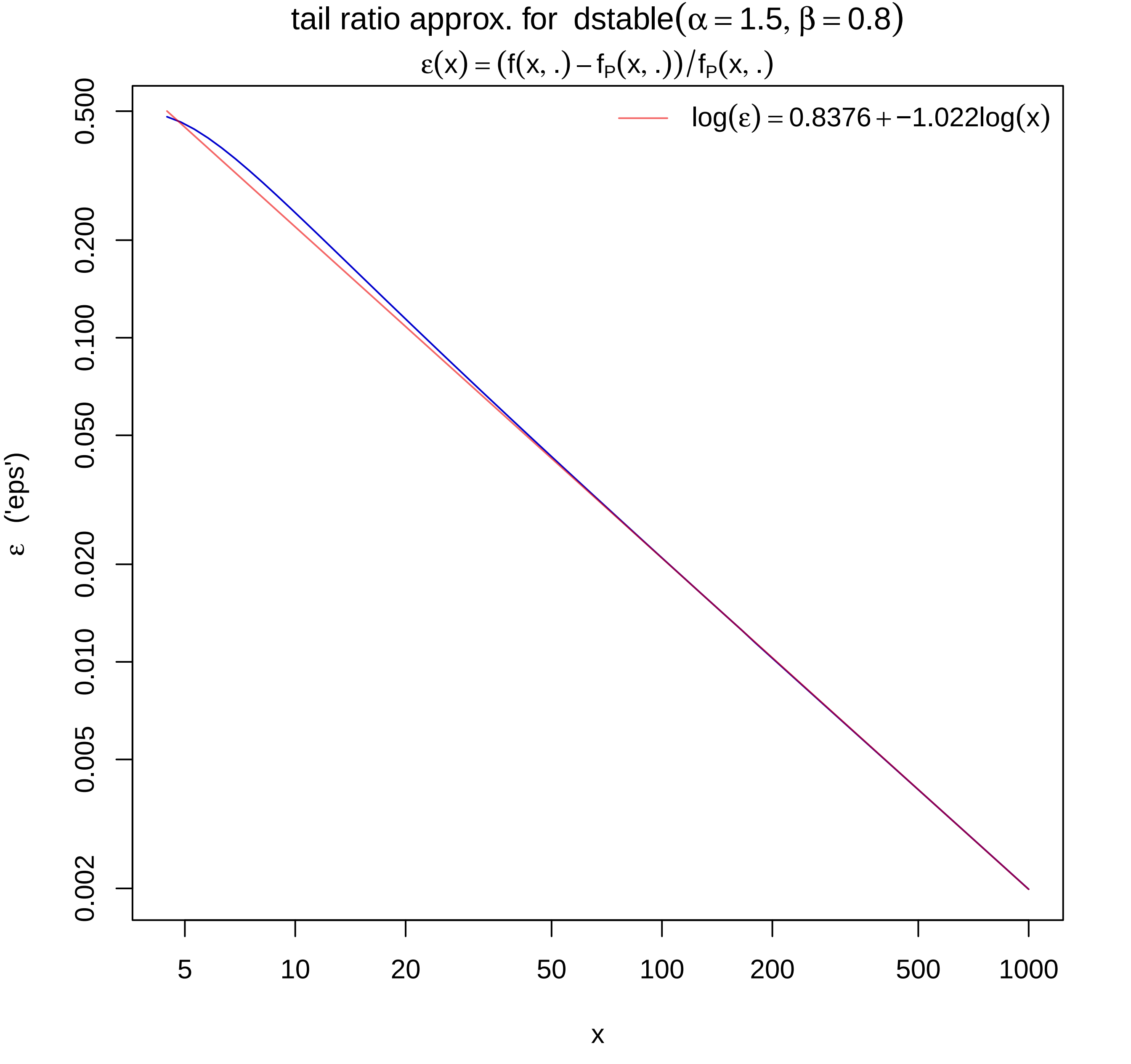


tail ratio approx. for dstable(α = 1.3, β = 0.6)
ε(x) = (f(x, .) − f_P(x, .))/f_P(x, .)
log(ε) = 0.571 + −0.9479log(x)
0.20
0.10
0.05
0.02
0.01
ε ('eps')
5
10
20
50
100
200
x

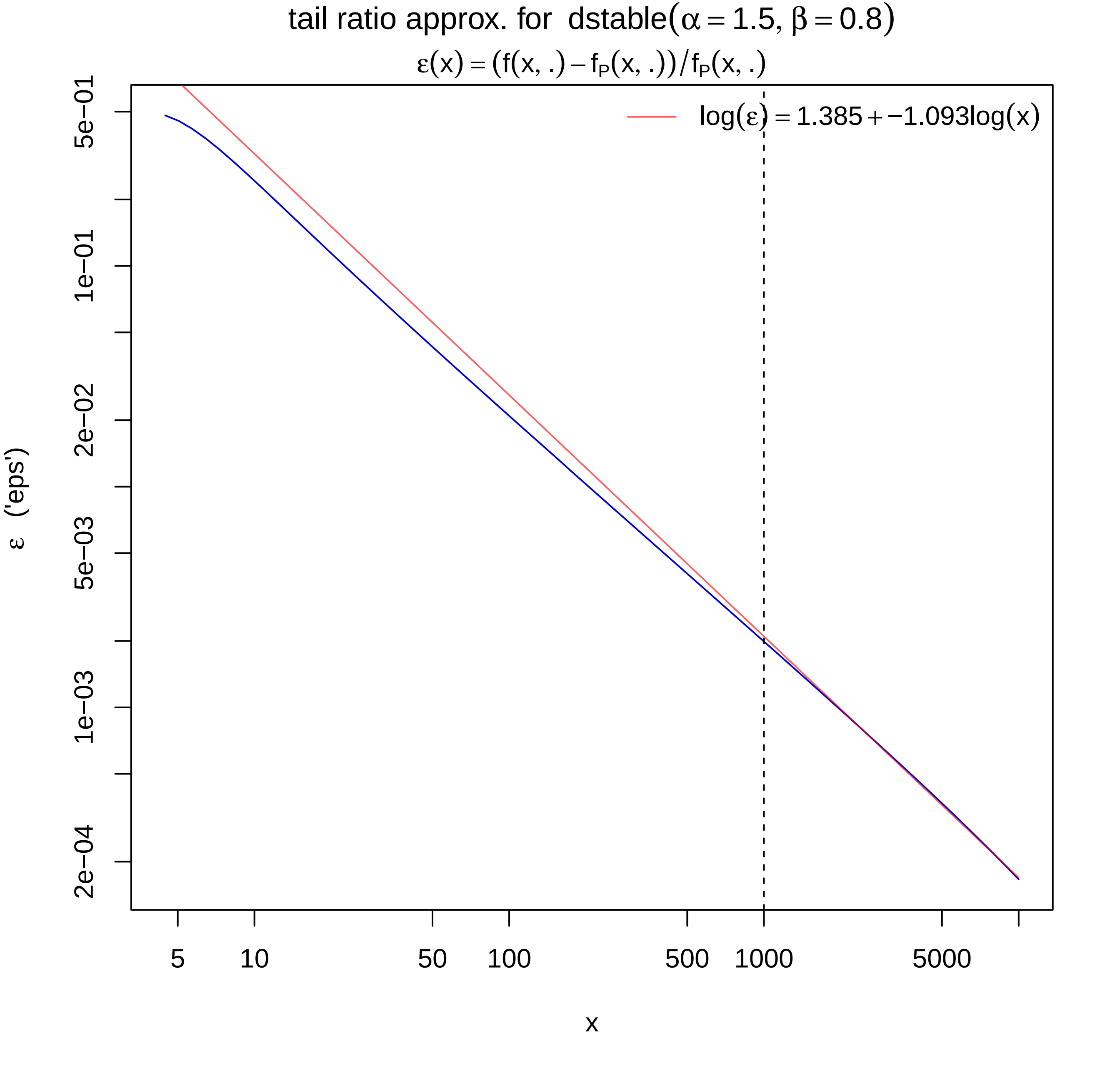

tail ratio approx. for dstable(α = 1.4, β = 0.7)
ε(x) = (f(x, .) − f_P(x, .))/f_P(x, .)
log(ε) = 0.7615 + −0.9913log(x)
0.20
0.10
0.05
0.02
ε ('eps')
5
10
20
50
100
200
x



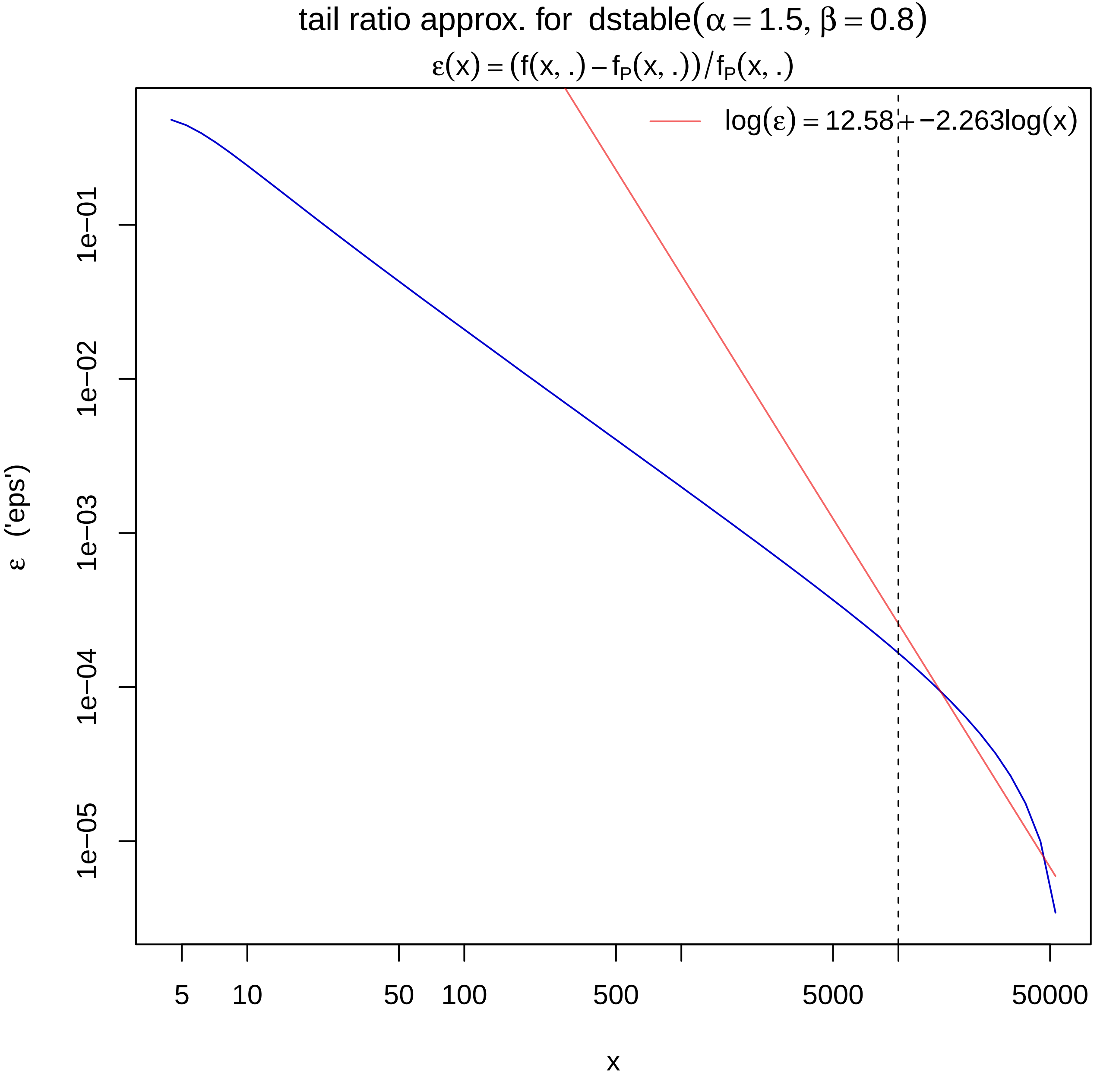
tail ratio approx. for dstable(α = 1.5, β = 0.8)
ε(x) = (f(x, .) − f_P(x, .))/f_P(x, .)
log(ε) = 0.9543 + −1.047log(x)
0.50
0.20
0.10
0.05
0.02
ε ('eps')
5
10
20
50
100
x



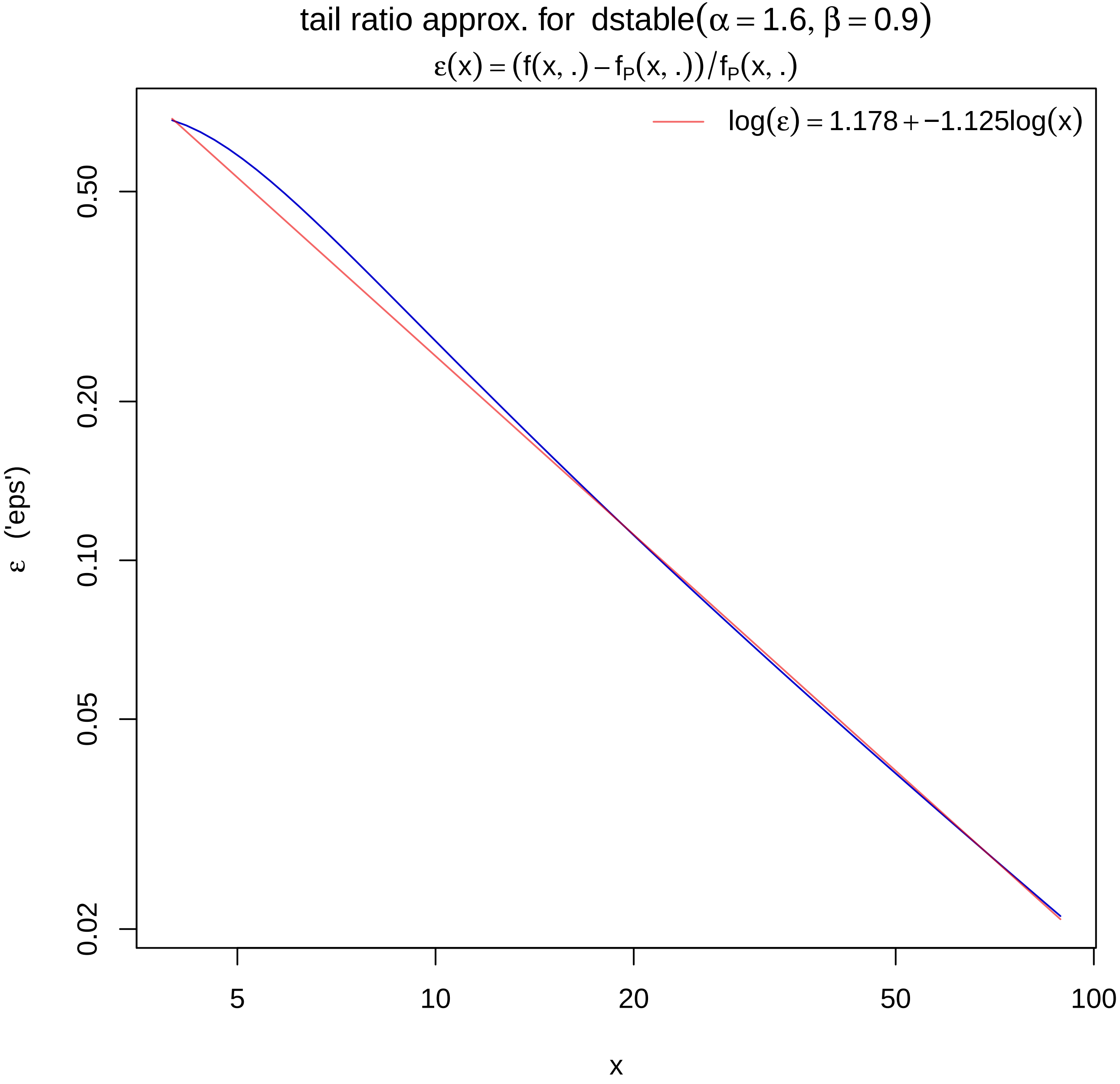
tail ratio approx. for dstable(α = 1.5, β = 0.8)
ε(x) = (f(x, .) − f_P(x, .))/f_P(x, .)
log(ε) = 0.8376 + −1.022log(x)
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
ε ('eps')
5
10
20
50
100
200
500
1000
x



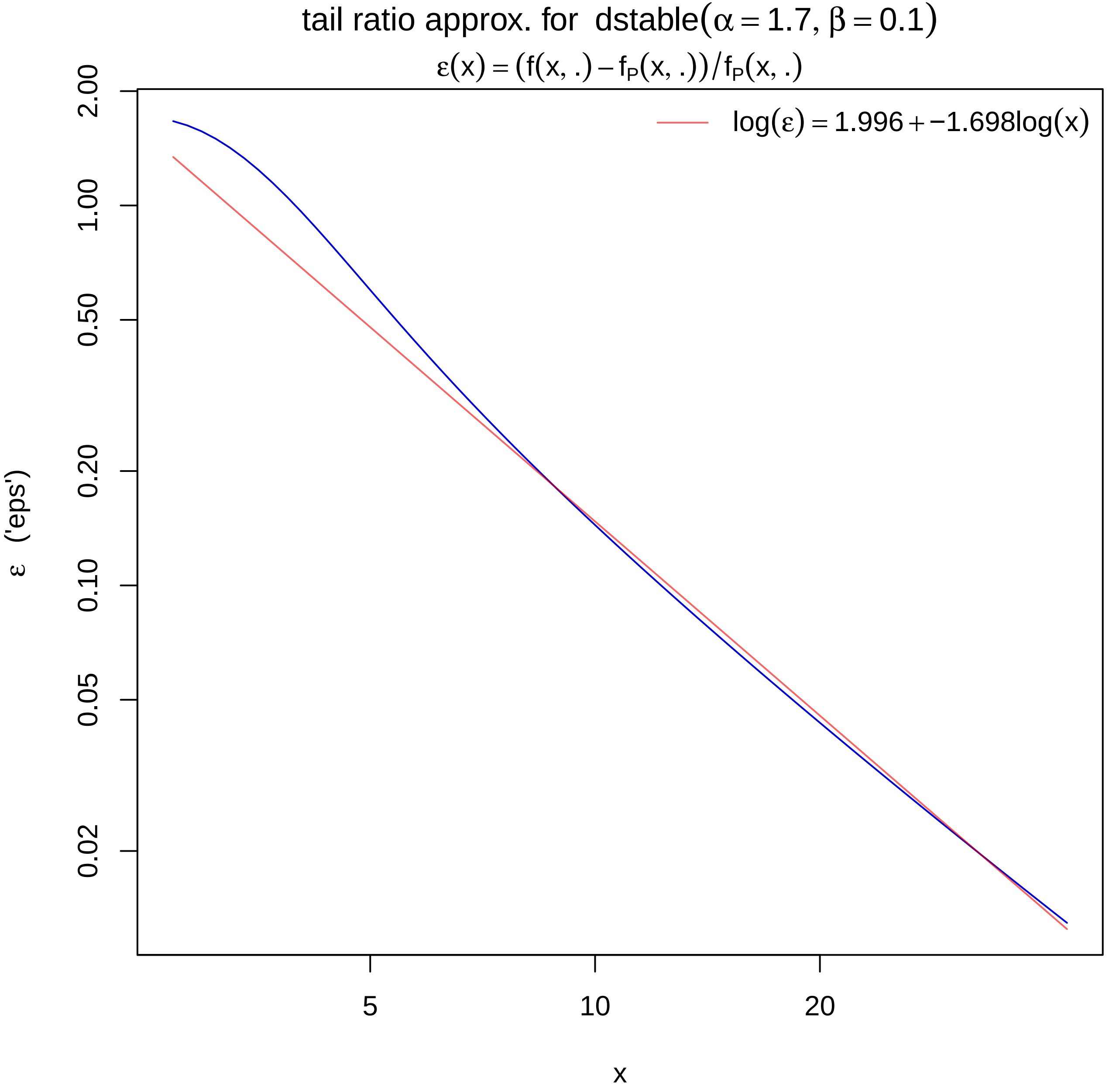
tail ratio approx. for dstable(α = 1.5, β = 0.8)
ε(x) = (f(x, .) − f_P(x, .))/f_P(x, .)
log(ε) = 1.385 + −1.093log(x)
5e−01
1e−01
2e−02
5e−03
1e−03
2e−04
ε ('eps')
5
10
50
100
500
1000
5000
x



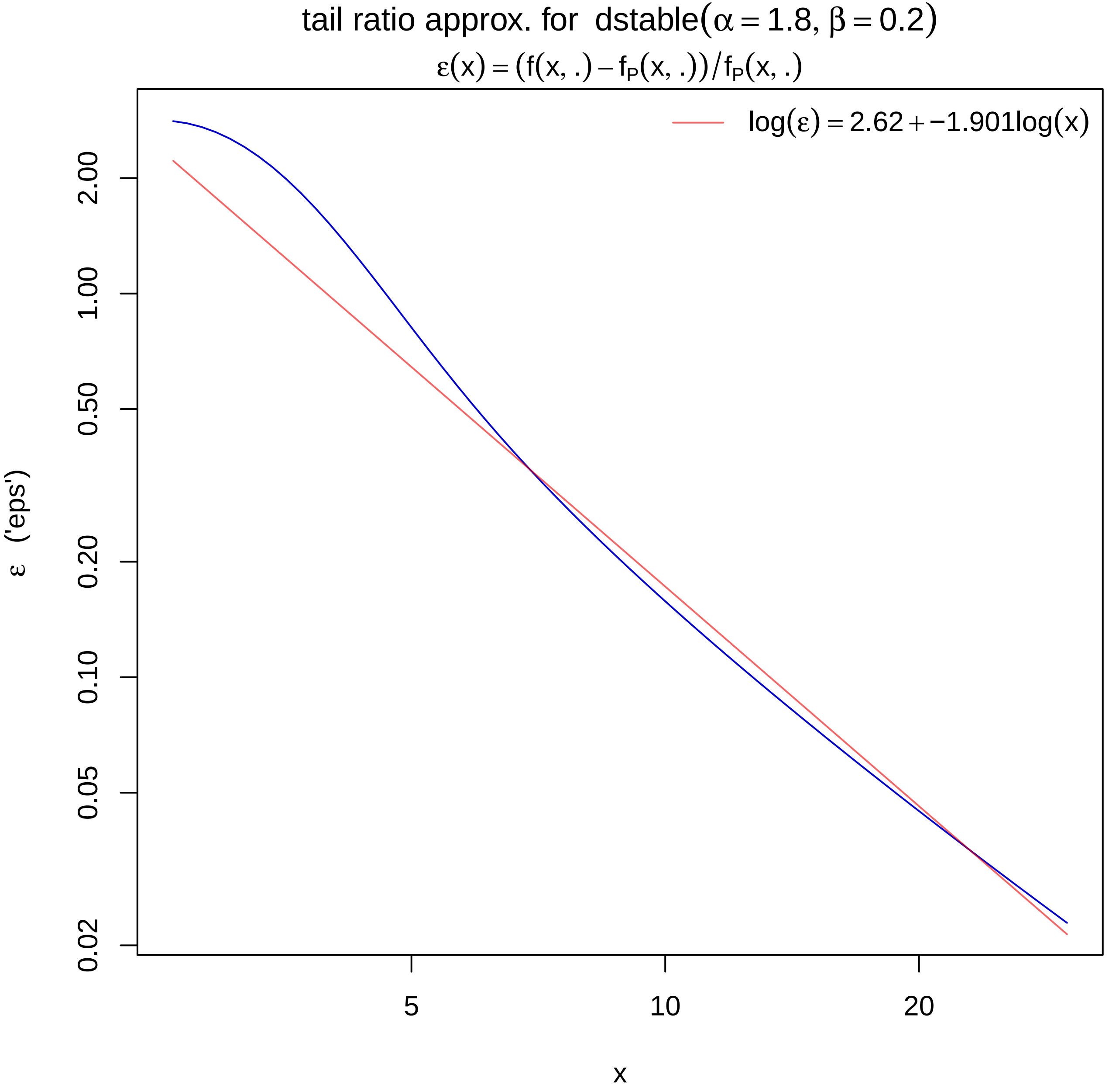
tail ratio approx. for dstable(α = 1.5, β = 0.8)
ε(x) = (f(x, .) − fP(x, .))/fP(x, .)
log(ε) = 12.58 + −2.263log(x)
1e−01
1e−02
1e−03
1e−04
1e−05
ε ('eps')
5
10
50
100
500
5000
50000
x



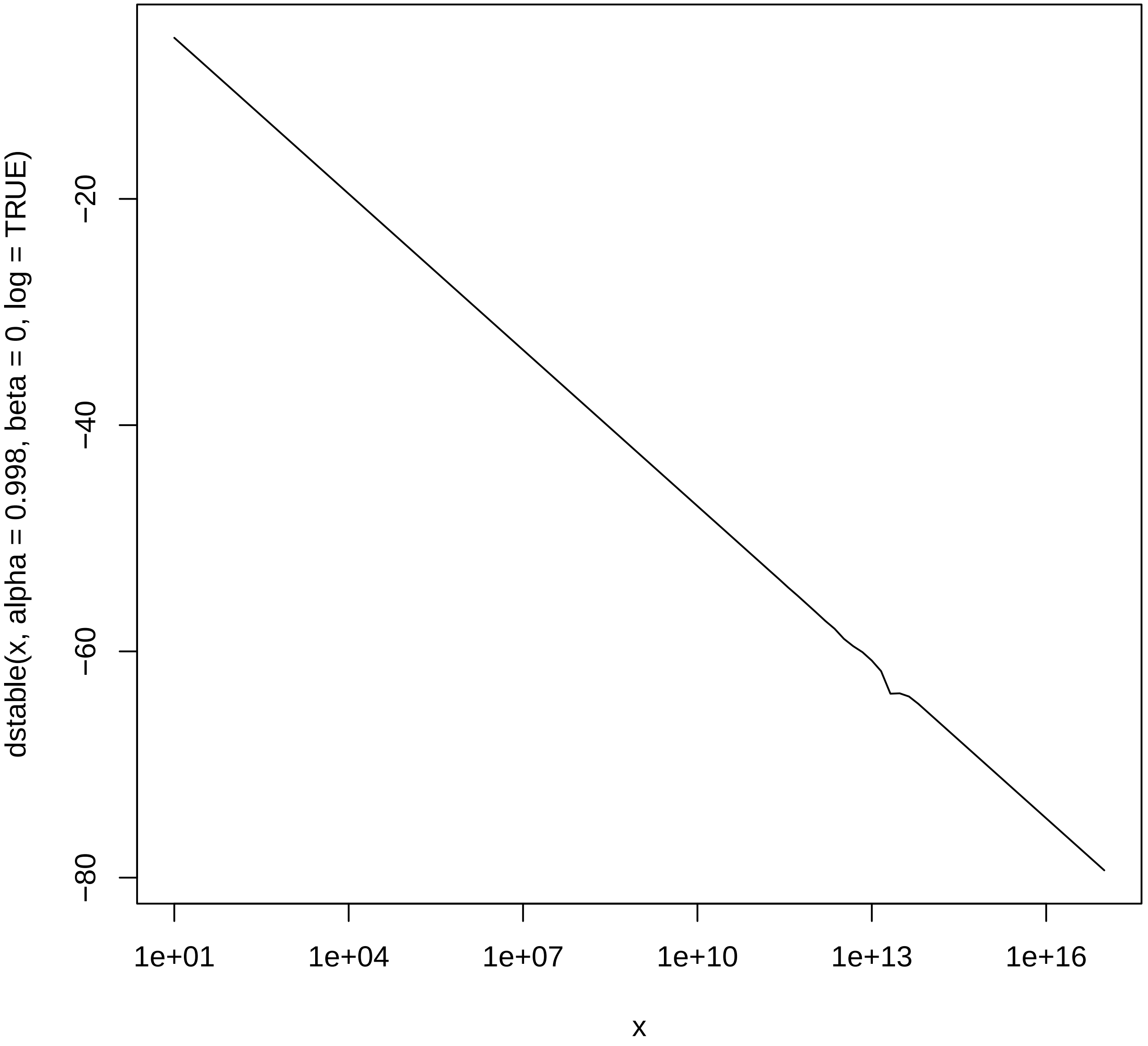
tail ratio approx. for dstable(α = 1.6, β = 0.9)
ε(x) = (f(x, .) − fP(x, .))/fP(x, .)
log(ε) = 1.178 + −1.125log(x)
0.50
0.20
0.10
0.05
0.02
ε ('eps')
5
10
20
50
100
x



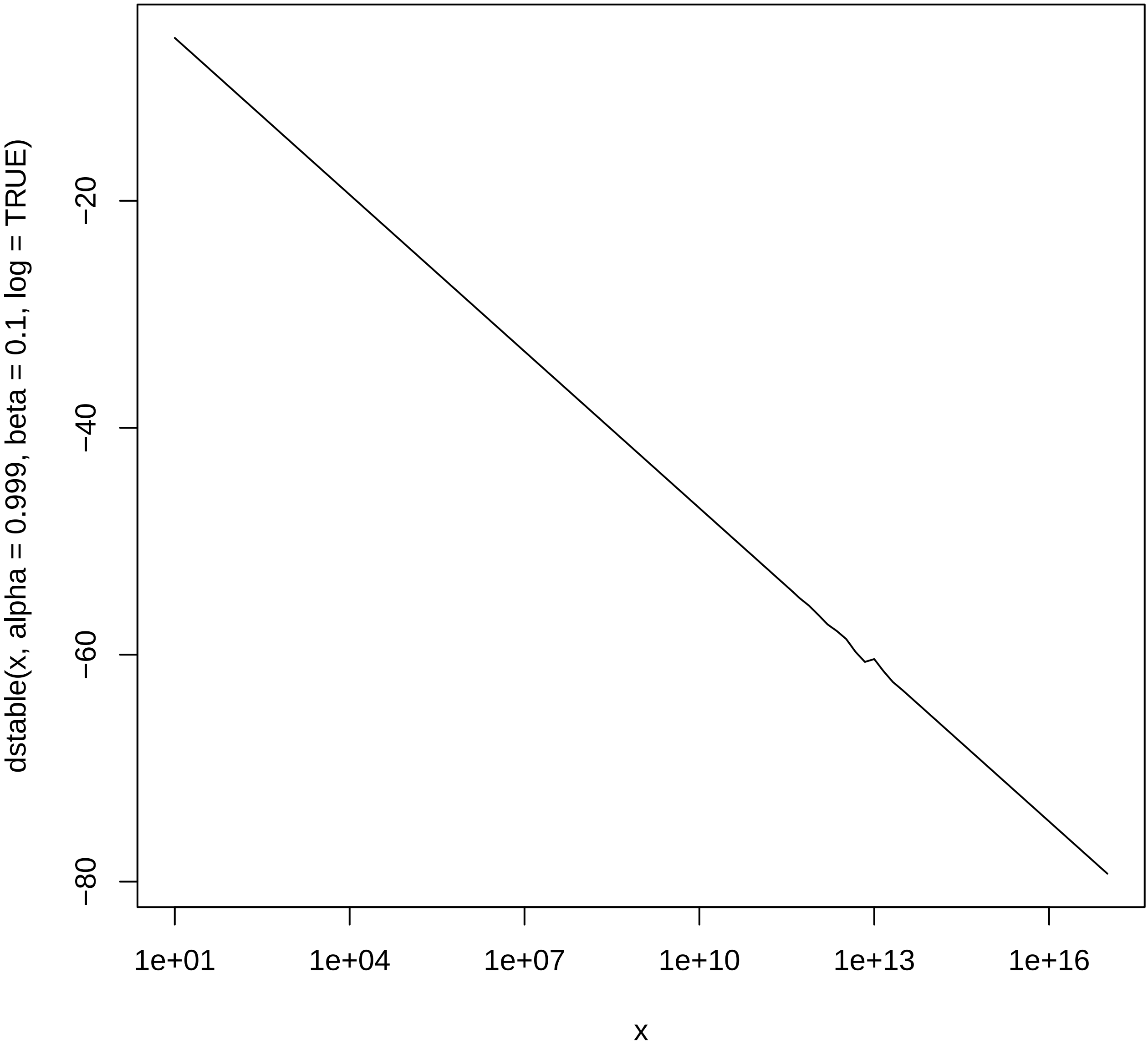
tail ratio approx. for dstable(α = 1.7, β = 0.1)
ε(x) = (f(x, .) − f_P(x, .))/f_P(x, .)
log(ε) = 1.996 + −1.698log(x)
2.00
1.00
0.50
0.20
0.10
0.05
0.02
ε ('eps')
5
10
20
x

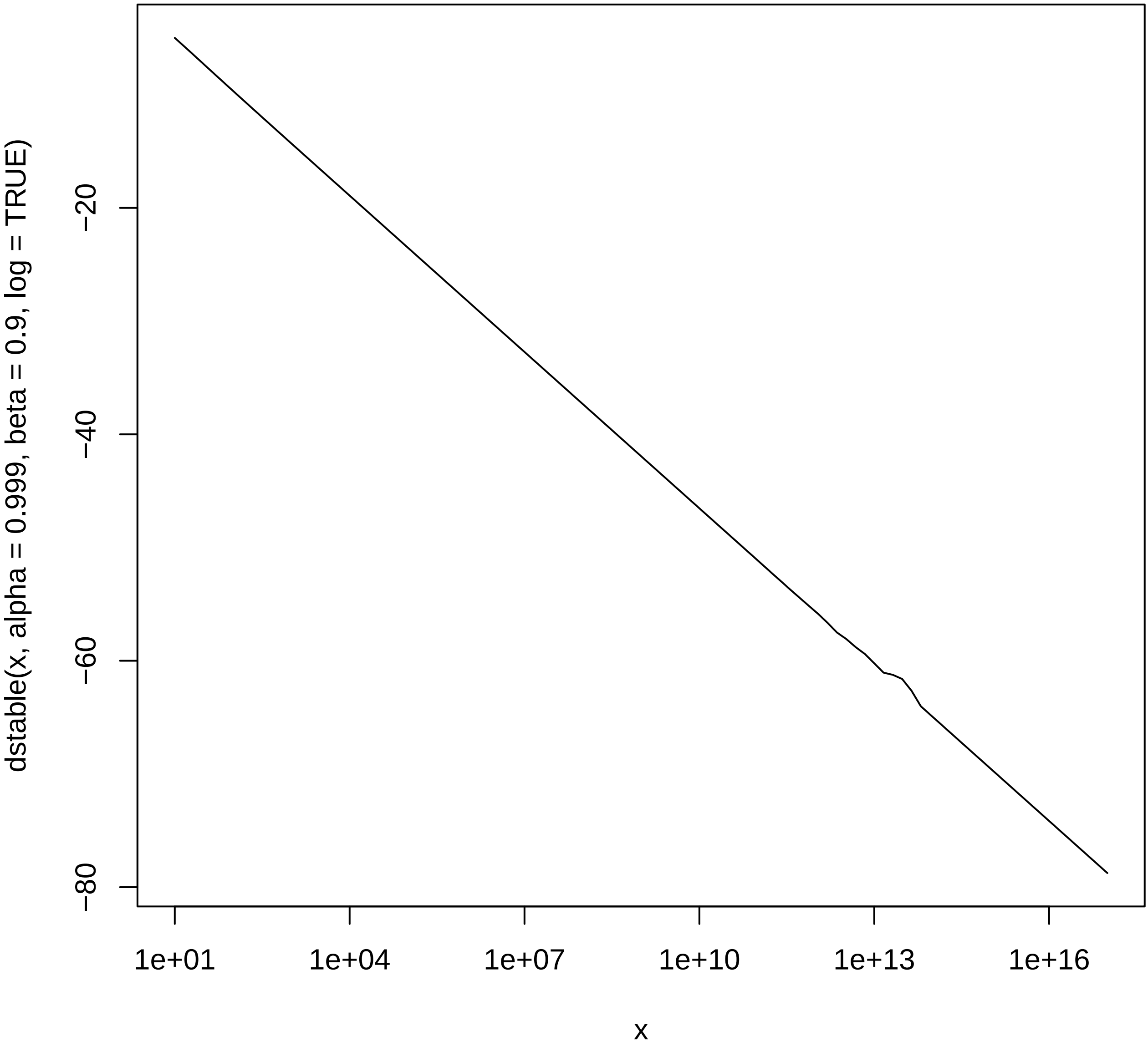


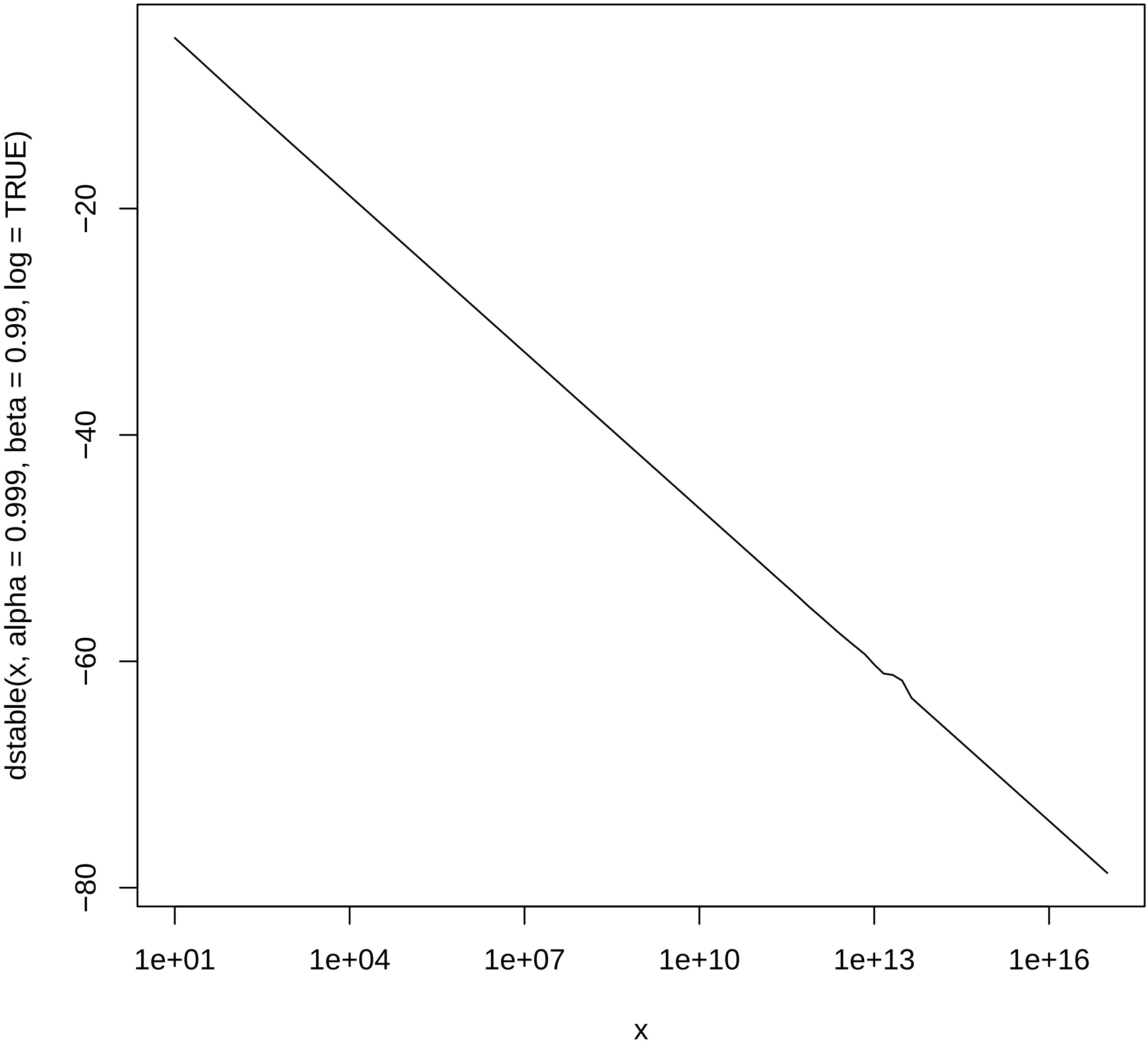
tail ratio approx. for dstable(α = 1.8, β = 0.2)
ε(x) = (f(x, .) − f_P(x, .))/f_P(x, .)
log(ε) = 2.62 + −1.901log(x)
ε ('eps')
2.00
1.00
0.50
0.20
0.10
0.05
0.02
5
10
20
x



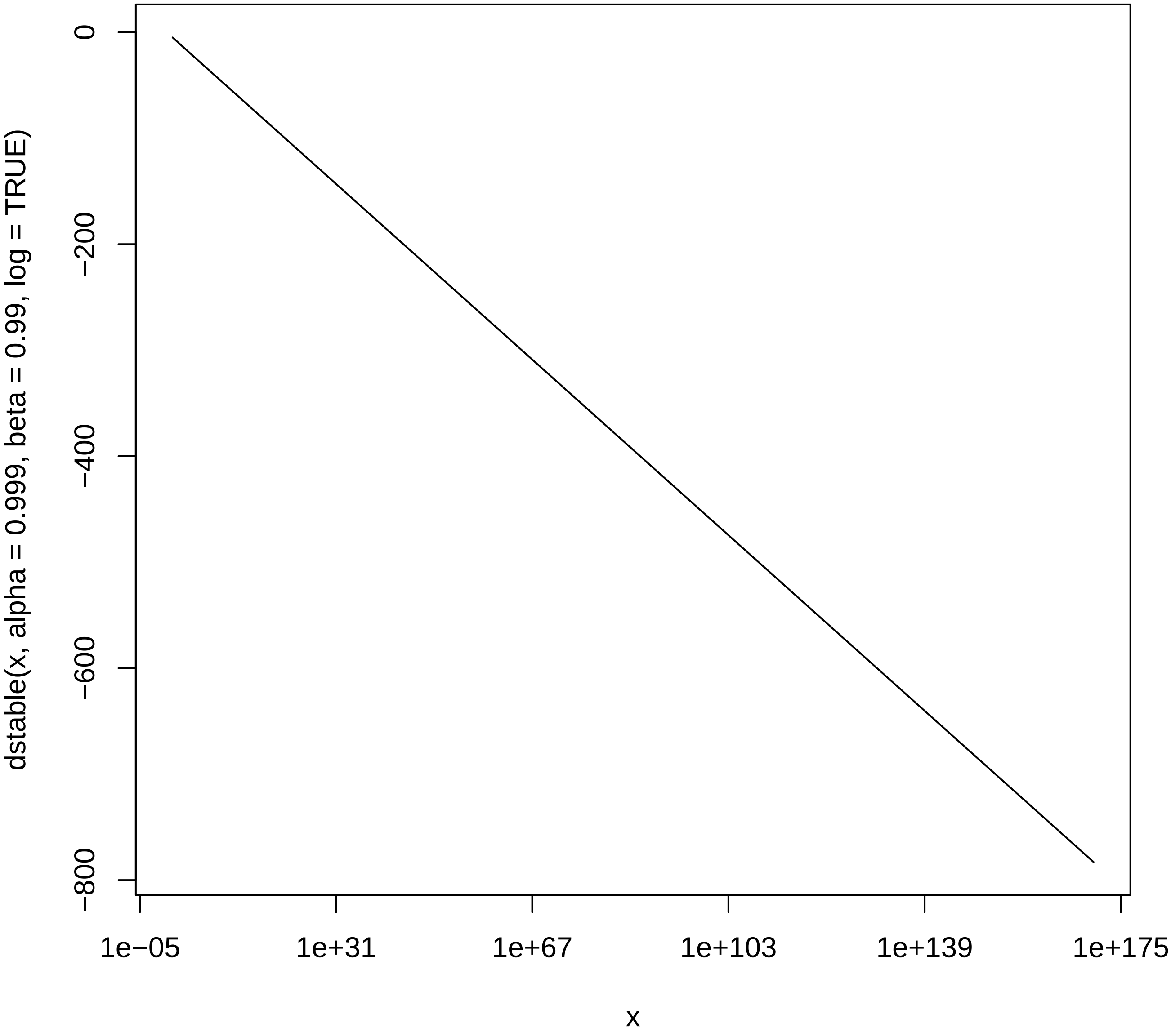
dstable(x, alpha = 0.998, beta = 0, log = TRUE)
−20
−40
−60
−80
1e+01
1e+04
1e+07
1e+10
1e+13
1e+16
x


dstable(x, alpha = 0.999, beta = 0.1, log = TRUE)
−20
−40
−60
−80
1e+01
1e+04
1e+07
1e+10
1e+13
1e+16
x

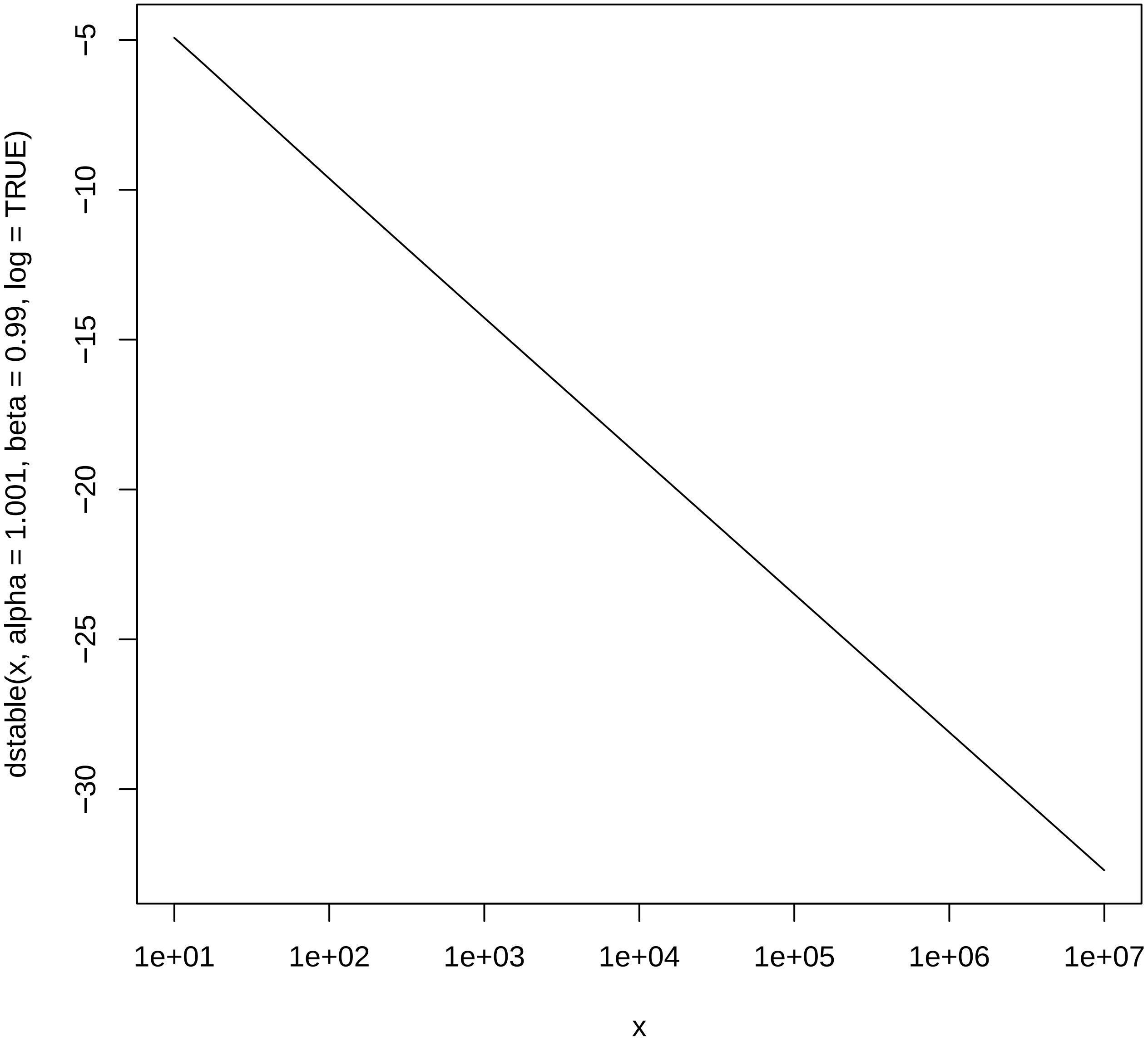

dstable(x, alpha = 0.999, beta = 0.9, log = TRUE)
−20
−40
−60
−80
1e+01
1e+04
1e+07
1e+10
1e+13
1e+16
x



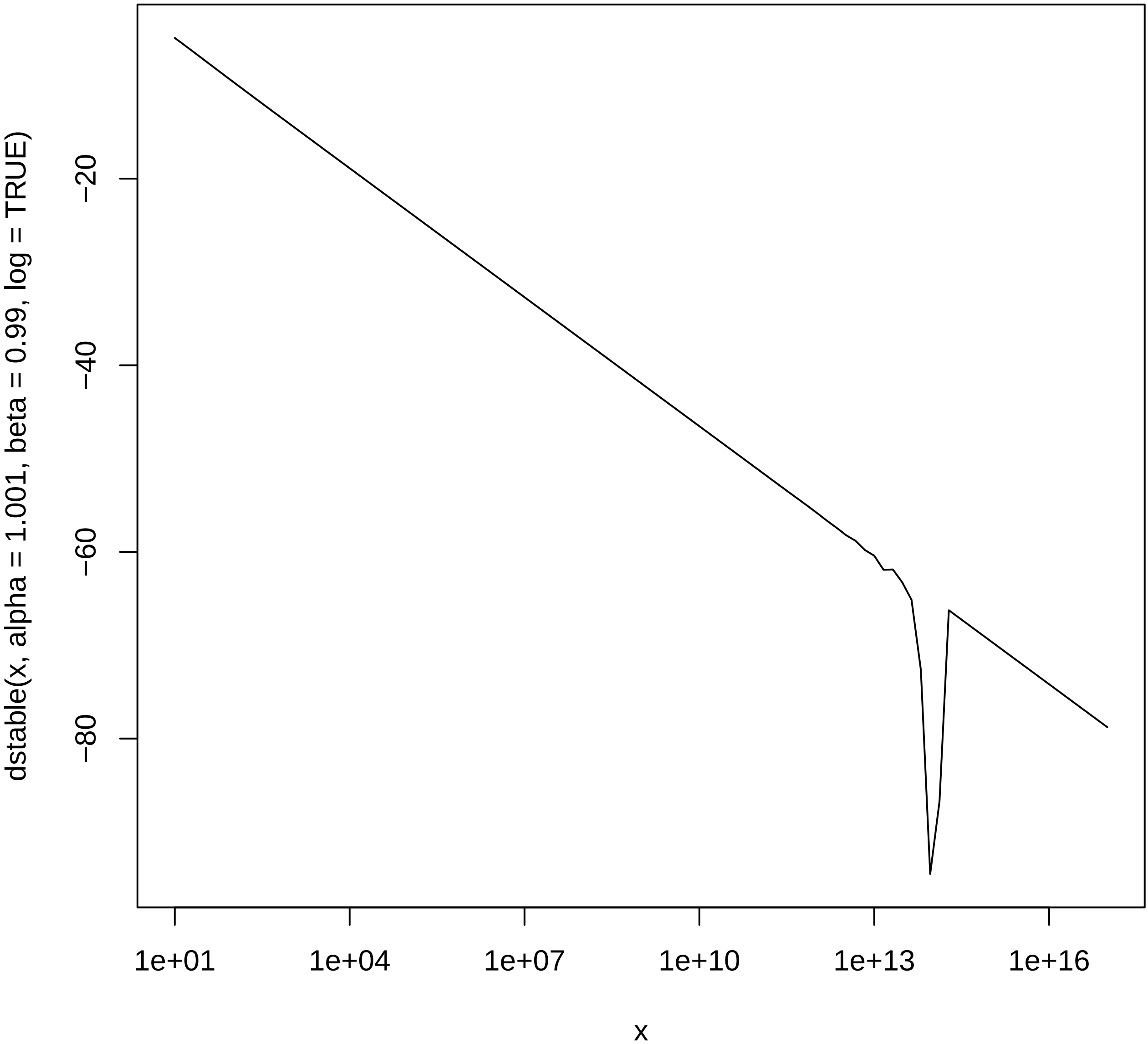
dstable(x, alpha = 0.999, beta = 0.99, log = TRUE)
−20
−40
−60
−80
1e+01
1e+04
1e+07
1e+10
1e+13
1e+16
x

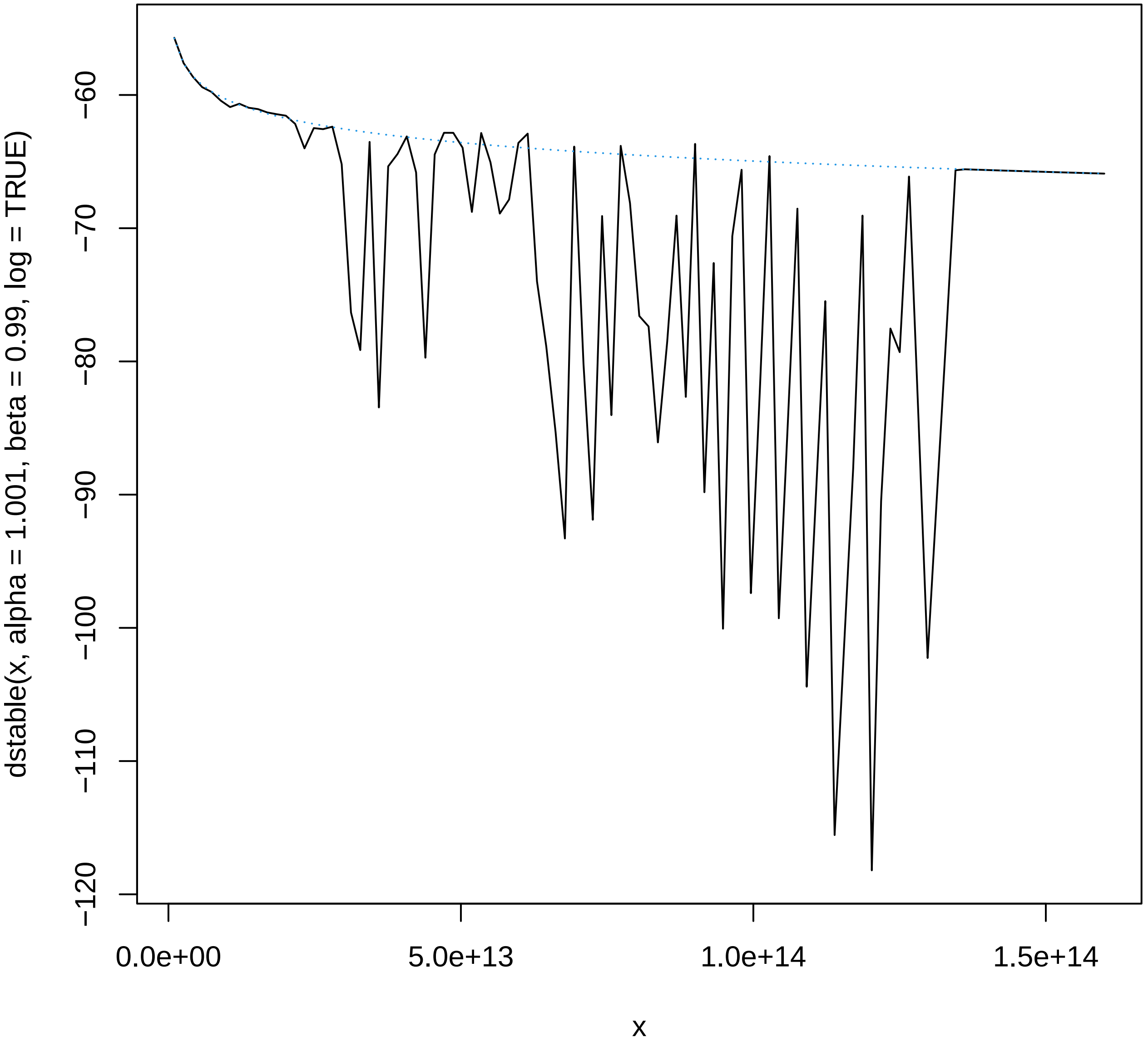


0
−200
−400
−600
−800
dstable(x, alpha = 0.999, beta = 0.99, log = TRUE)
1e−05
1e+31
1e+67
1e+103
1e+139
1e+175
x

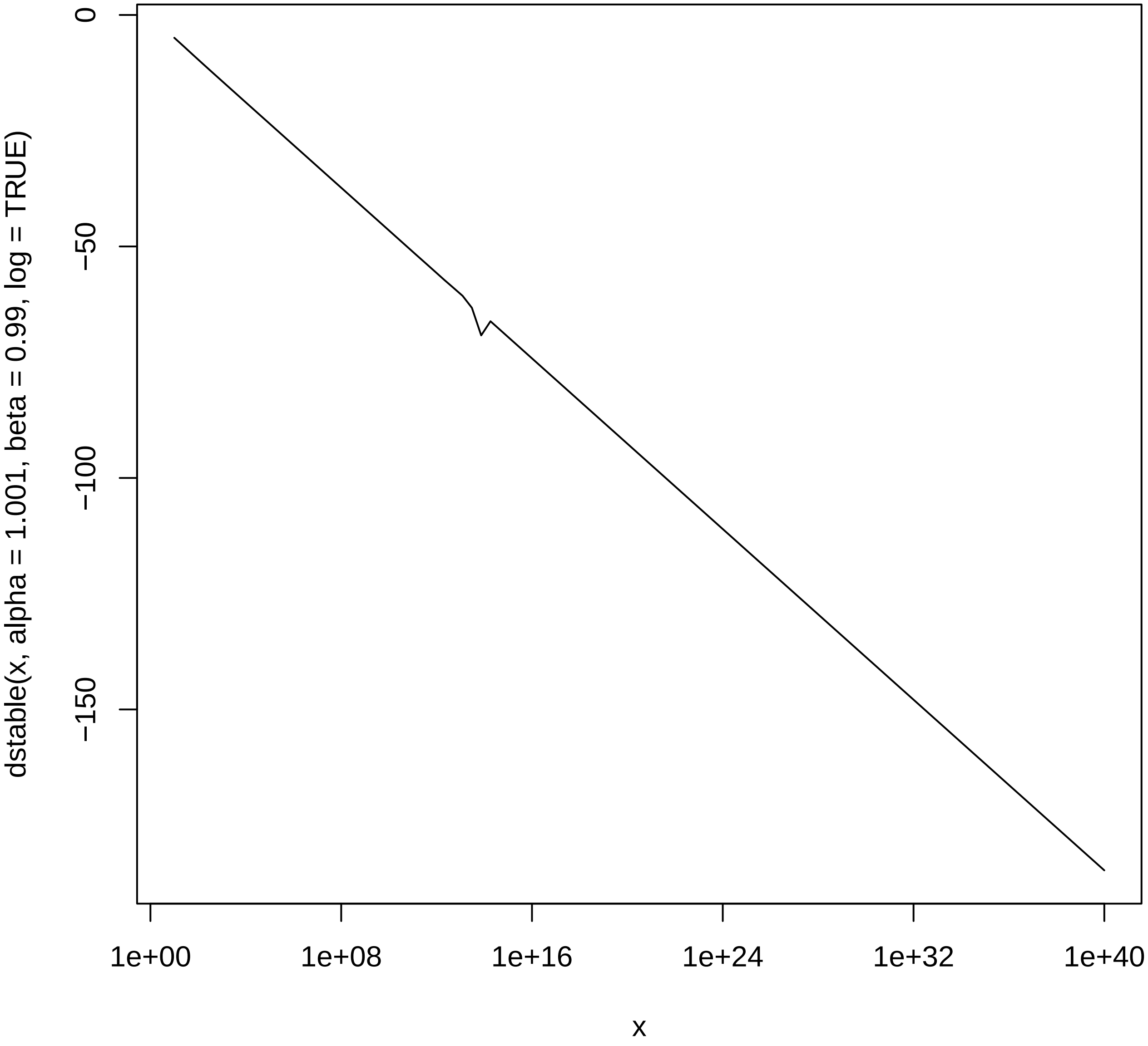


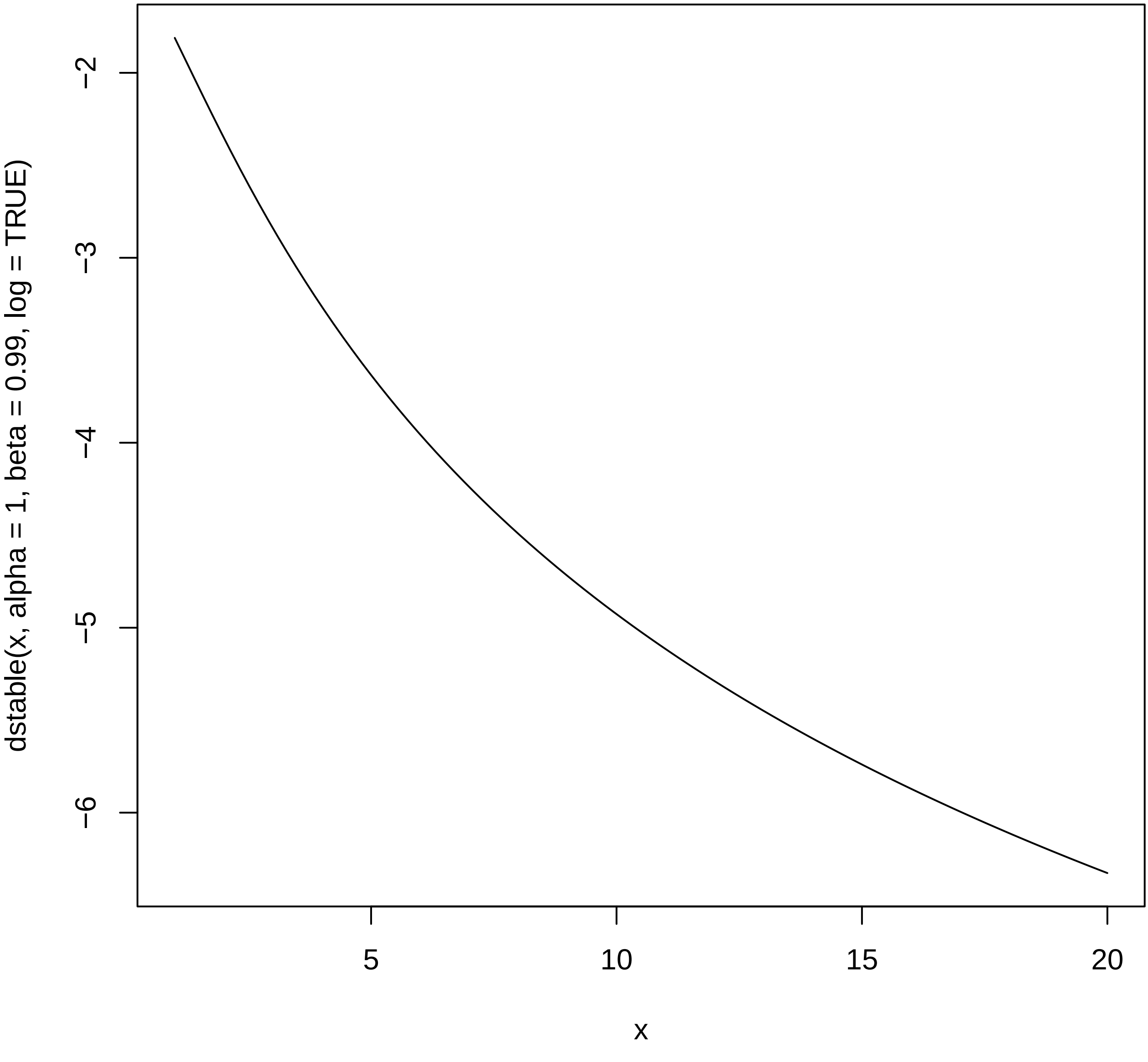
dstable(x, alpha = 1.001, beta = 0.99, log = TRUE)
−5
−10
−15
−20
−25
−30
1e+01
1e+02
1e+03
1e+04
1e+05
1e+06
1e+07
x

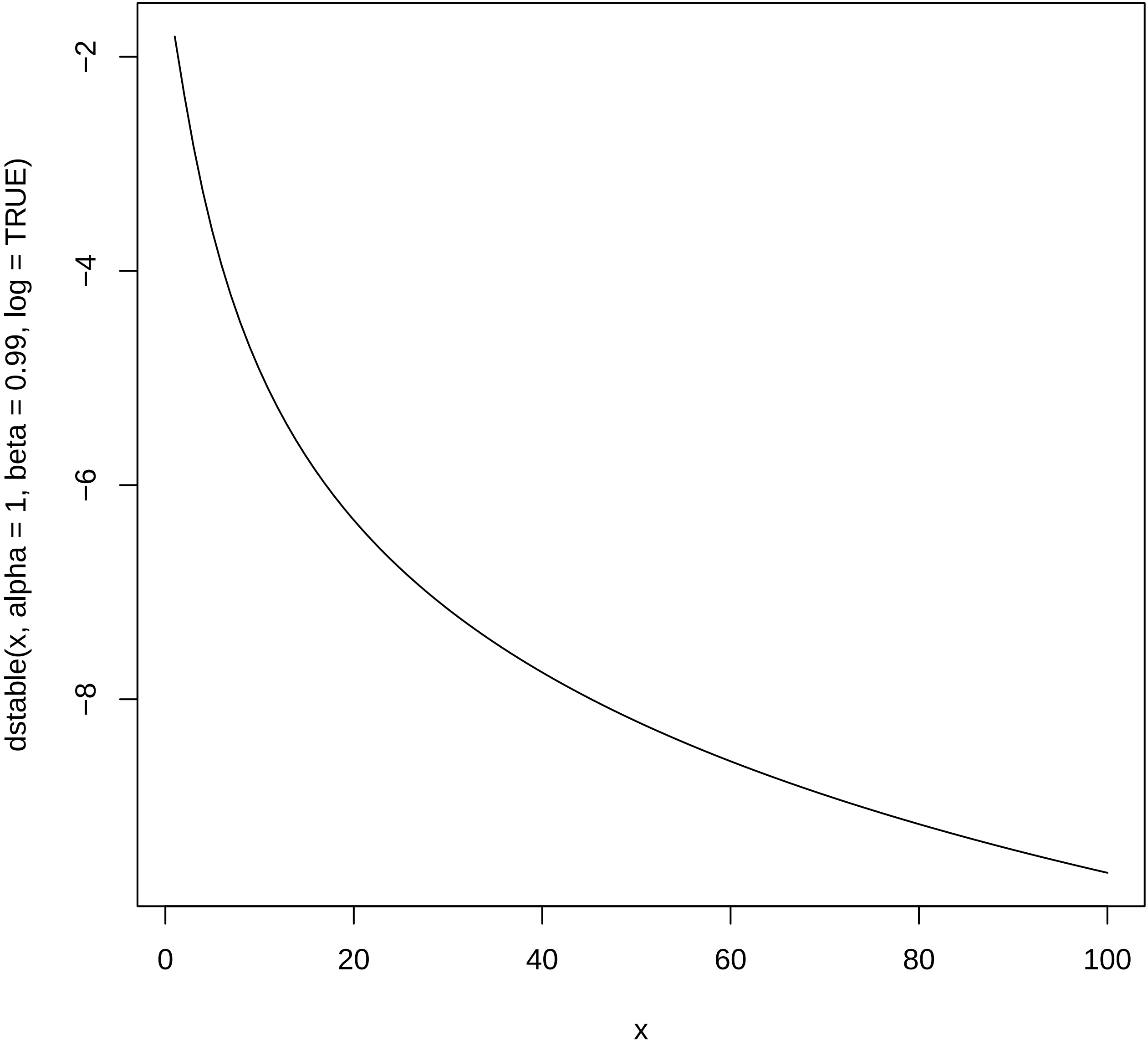

dstable(x, alpha = 1.001, beta = 0.99, log = TRUE)
−20
−40
−60
−80
1e+01
1e+04
1e+07
1e+10
1e+13
1e+16
x



dstable(x, alpha = 1.001, beta = 0.99, log = TRUE)
−60
−70
−80
−90
−100
−110
−120
0.0e+00
5.0e+13
1.0e+14
1.5e+14
x


0
−50
−100
−150
dstable(x, alpha = 1.001, beta = 0.99, log = TRUE)
1e+00
1e+08
1e+16
1e+24
1e+32
1e+40
x


dstable(x, alpha = 1, beta = 0.99, log = TRUE)
−2
−3
−4
−5
−6
5
10
15
20
x



dstable(x, alpha = 1, beta = 0.99, log = TRUE)
−2
−4
−6
−8
0
20
40
60
80
100
x