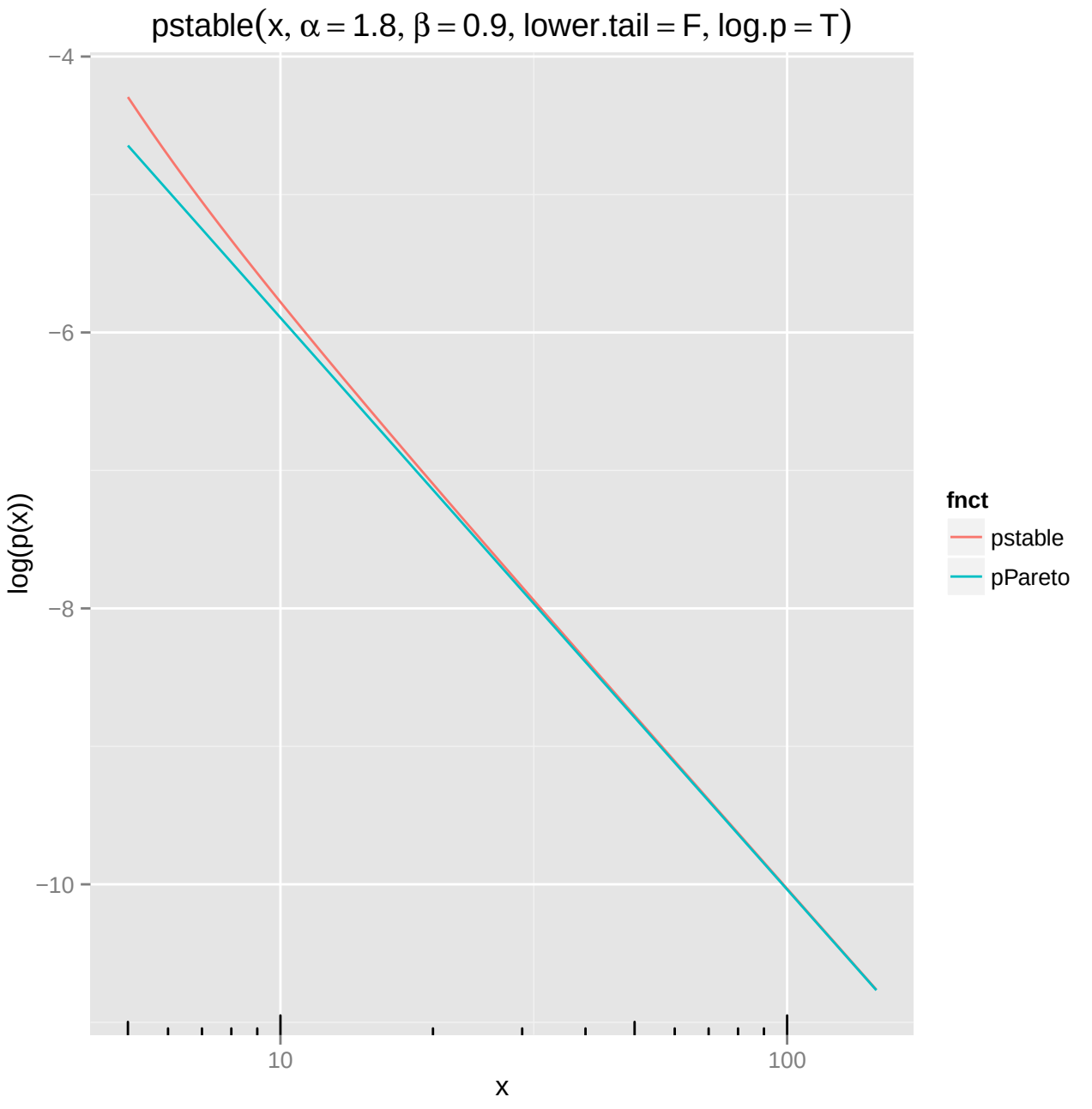
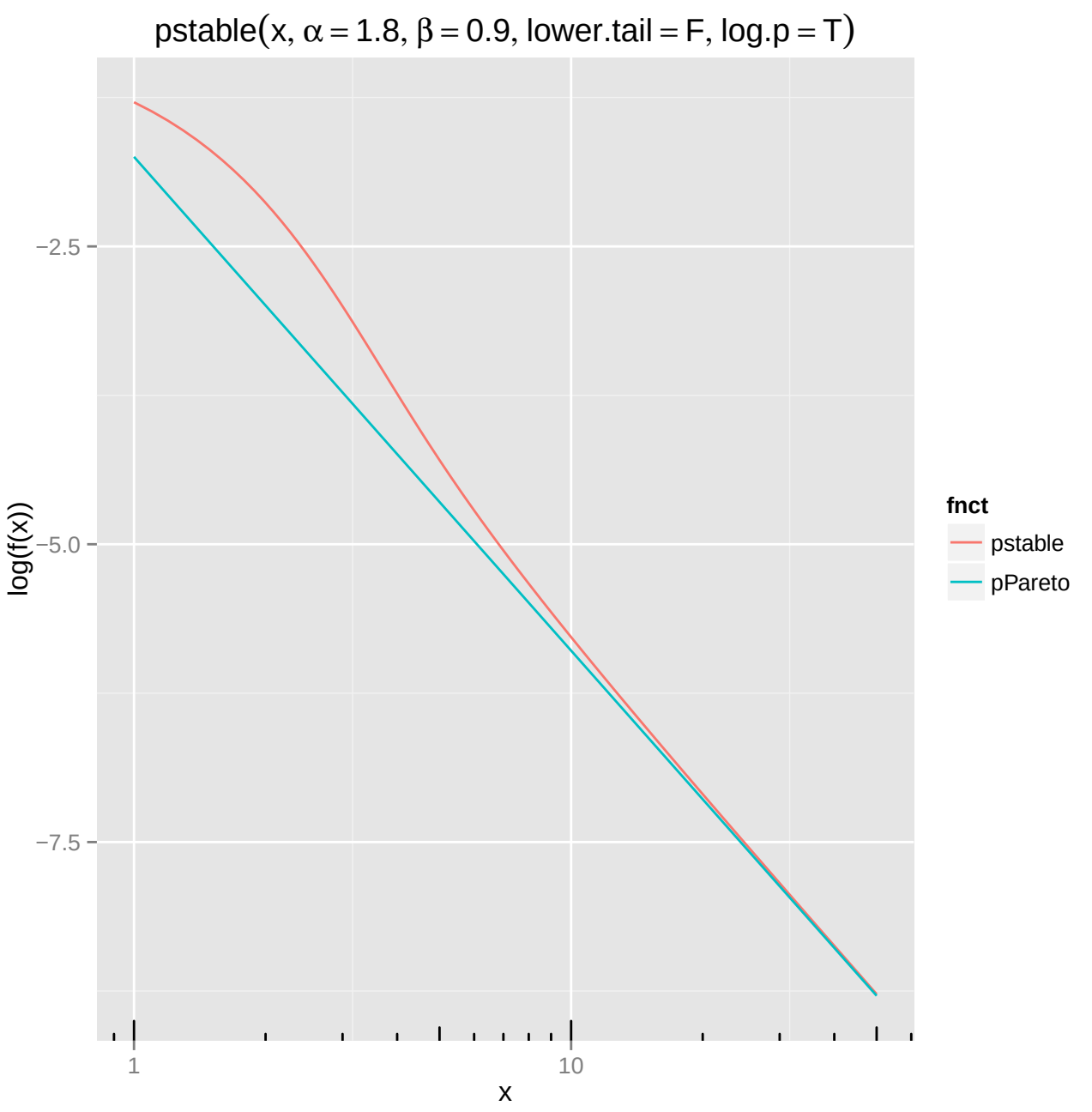
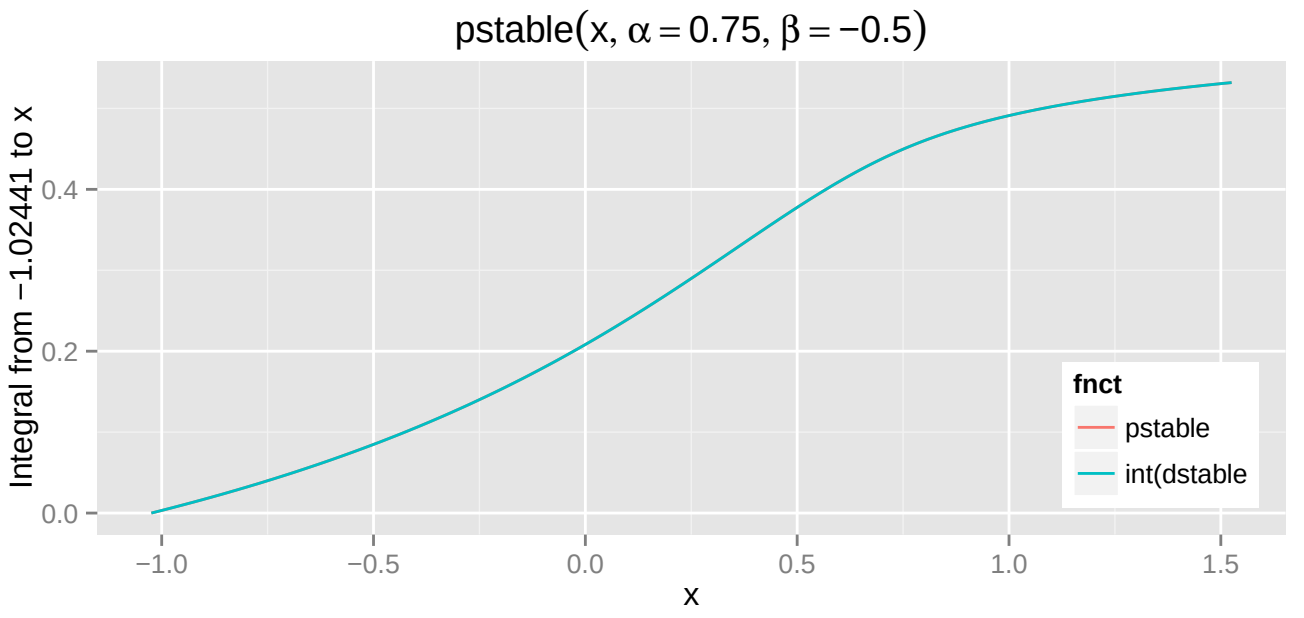
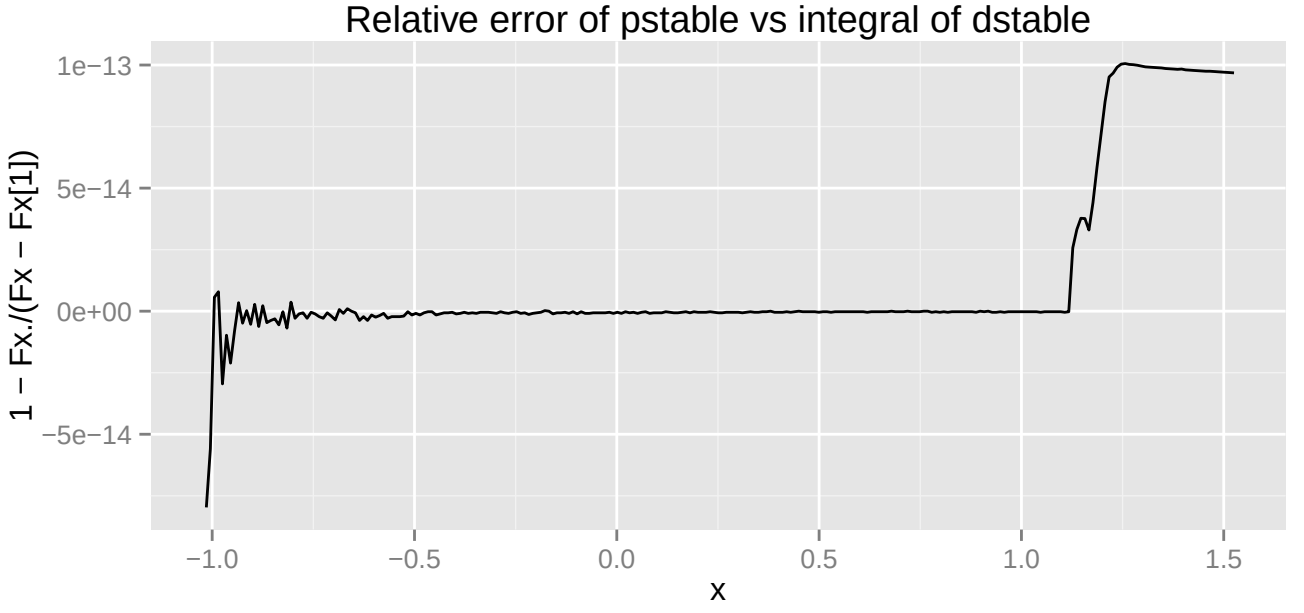
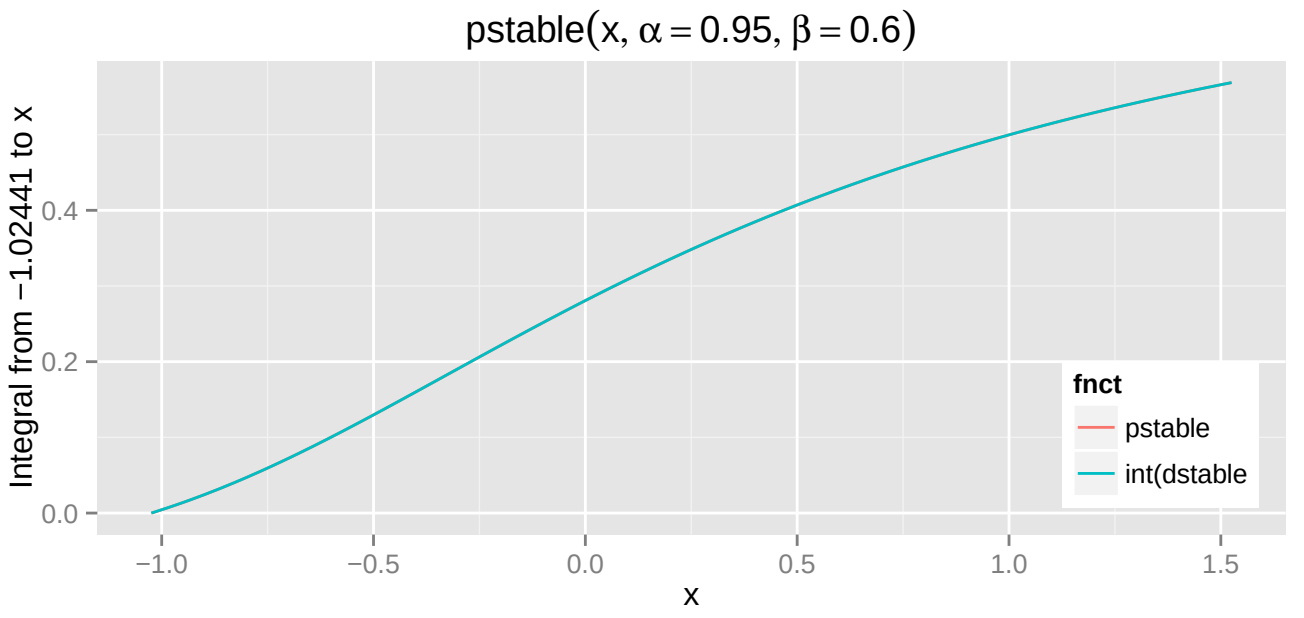
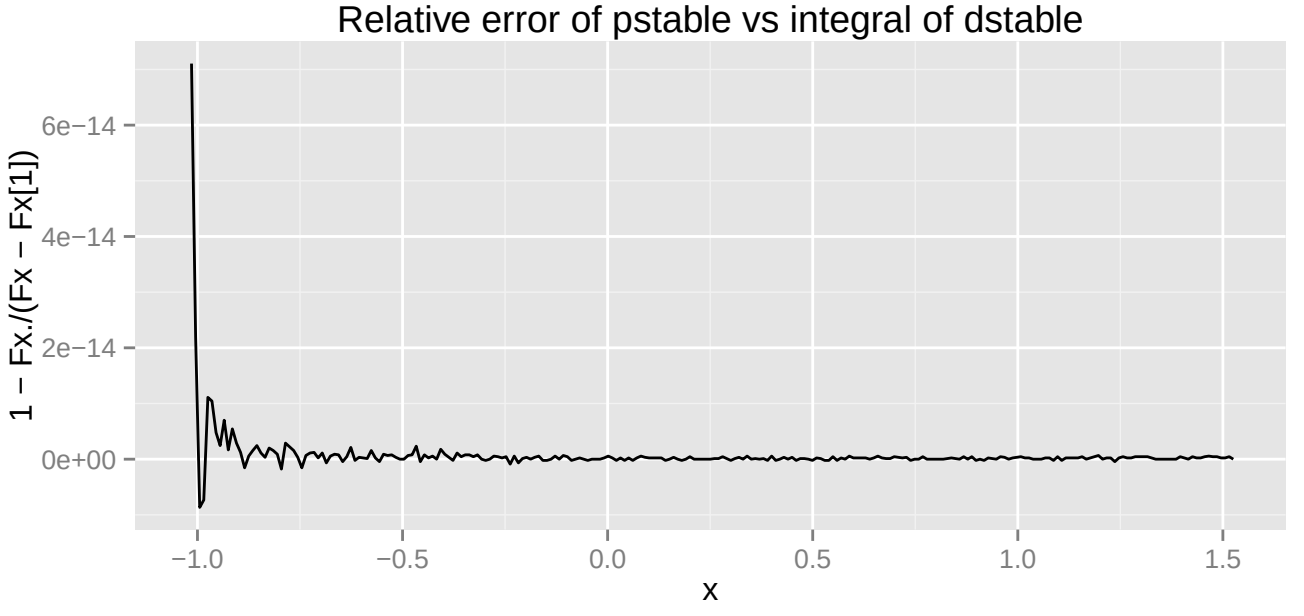

pstable(x, α = 1.8, β = 0.9, lower.tail = F, log.p = T)
−4
−6
−8
−10
log(p(x))
10
100
x
fnct
pstable
pPareto

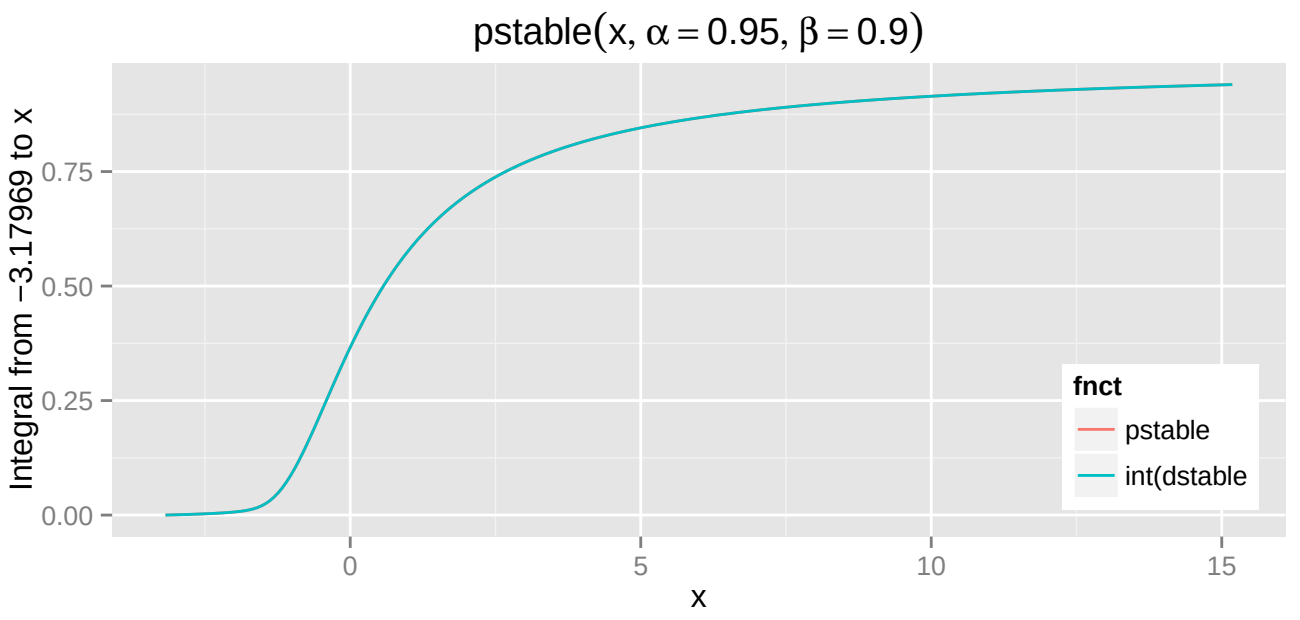

pstable(x, α = 1.8, β = 0.9, lower.tail = F, log.p = T)
log(f(x))
−2.5
−5.0
−7.5
1
10
x
fnct
pstable
pPareto

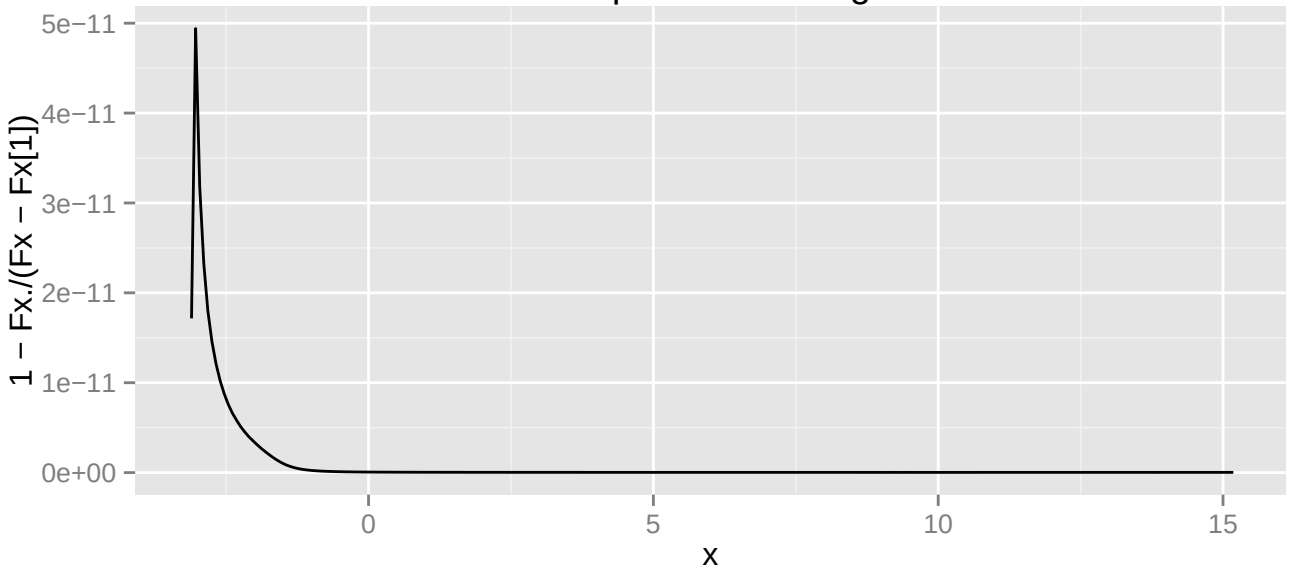

pstable(x, α = 0.75, β = −0.5)
Integral from −1.02441 to x
0.0
0.2
0.4
−1.0
−0.5
0.0
0.5
1.0
1.5
x
fnct
pstable
int(dstable

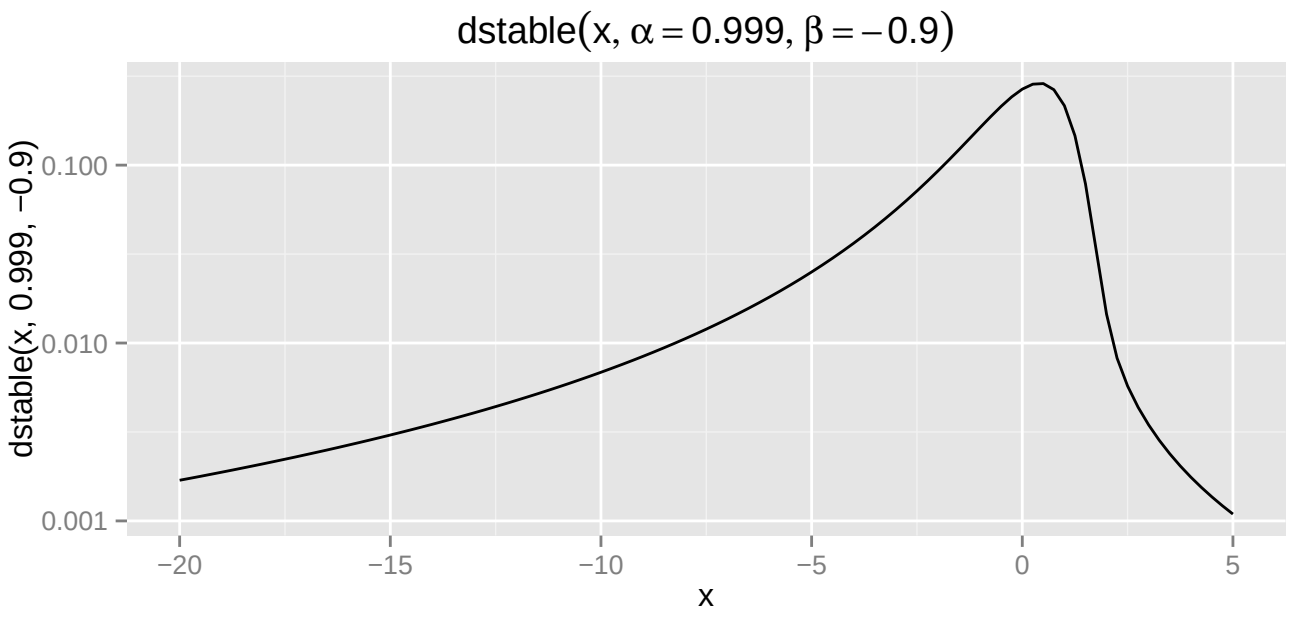

Relative error of pstable vs integral of dstable
1 − Fx./(Fx − Fx[1])
1e−13
5e−14
0e+00
−5e−14
−1.0
−0.5
0.0
0.5
1.0
1.5
x

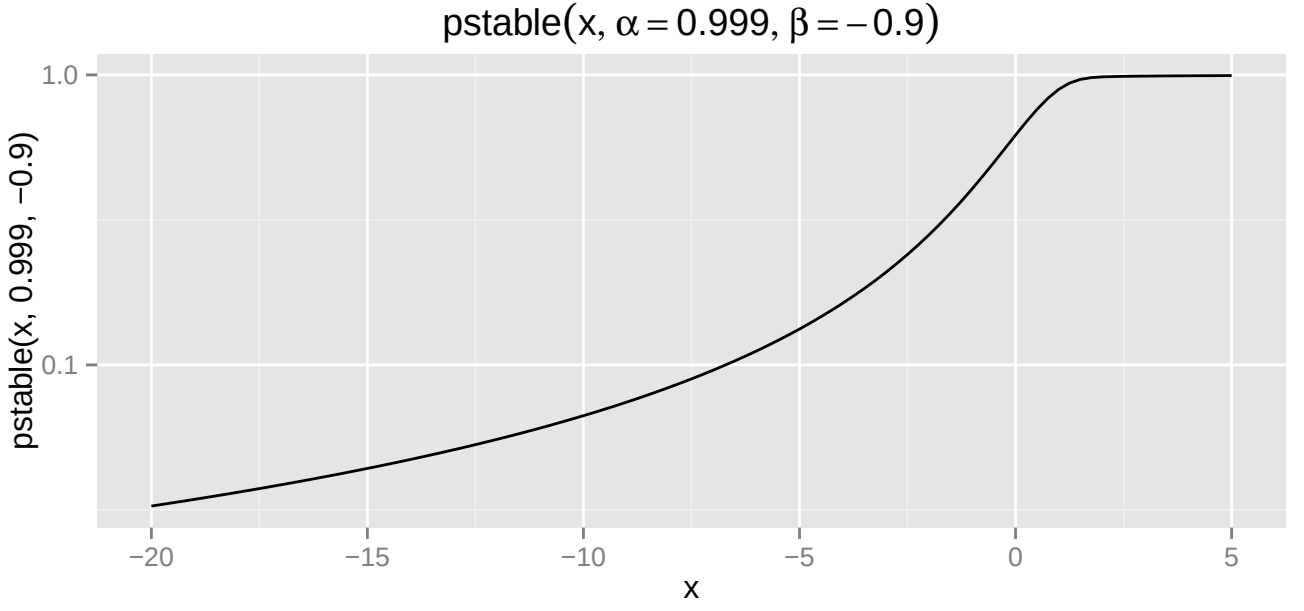

pstable(x, α = 0.95, β = 0.6)
Integral from −1.02441 to x
0.0
0.2
0.4
−1.0
−0.5
0.0
0.5
1.0
1.5
x
fnct
pstable
int(dstable

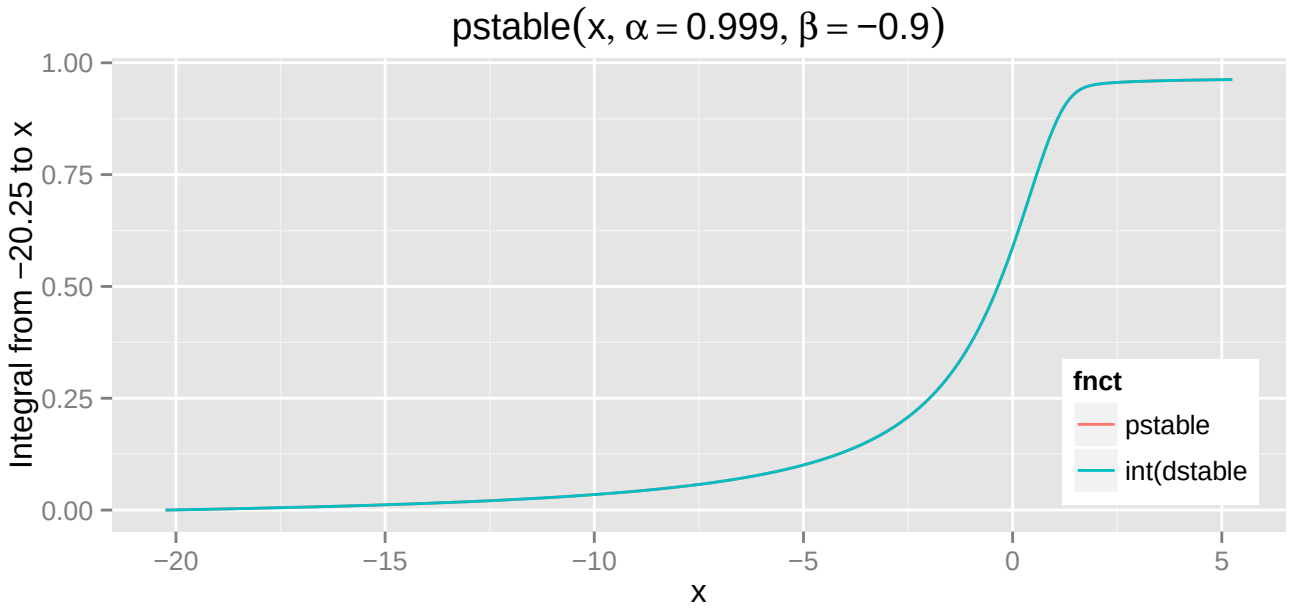

Relative error of pstable vs integral of dstable
1 − Fx./(Fx − Fx[1])
0e+00
2e−14
4e−14
6e−14
−1.0
−0.5
0.0
0.5
1.0
1.5
x

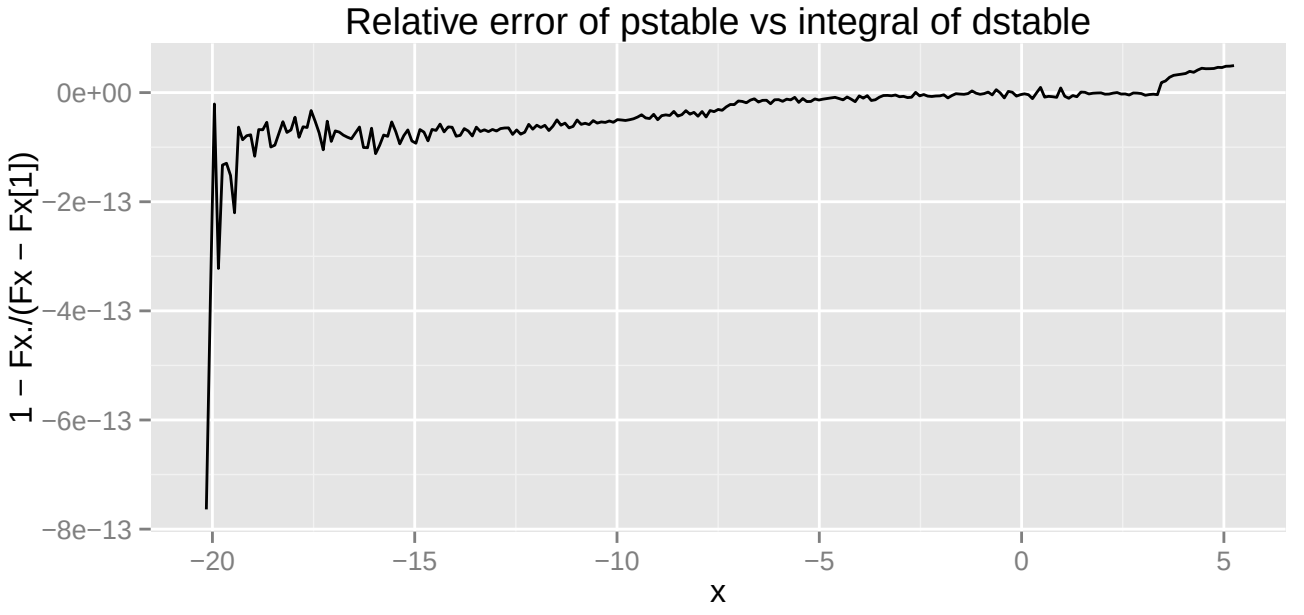

pstable(x, α = 0.95, β = 0.9)
Integral from −3.17969 to x
0.00
0.25
0.50
0.75
0
5
10
15
x
fnct
pstable
int(dstable

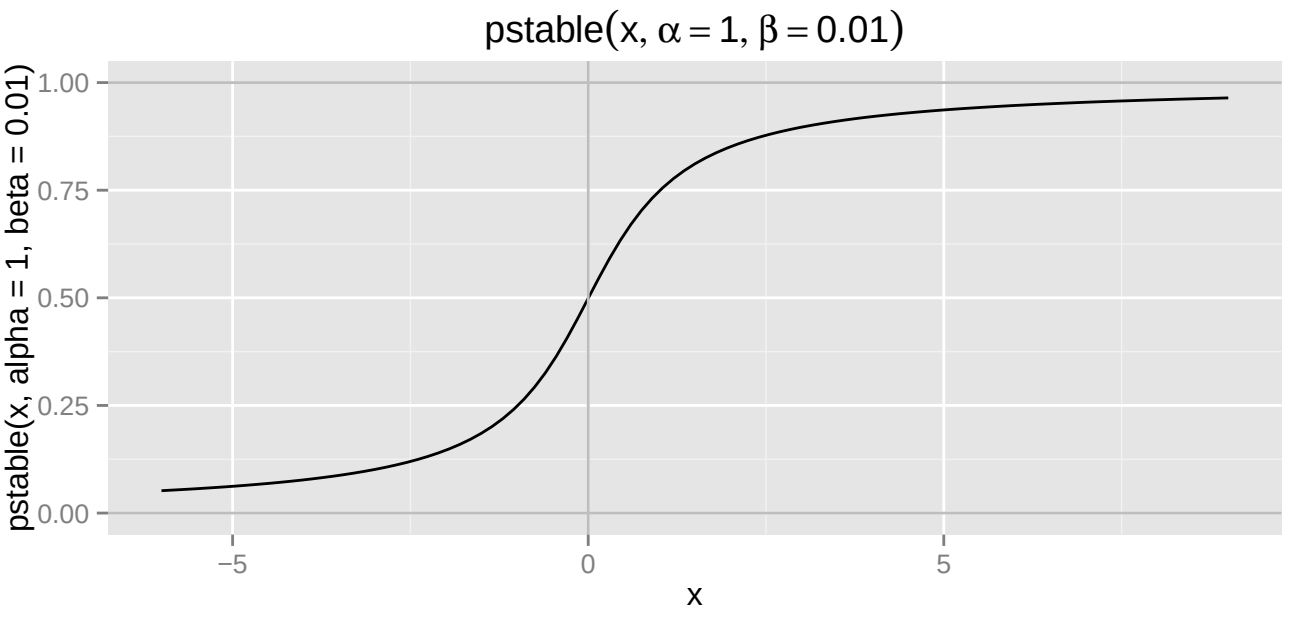

Relative error of pstable vs integral of dstable
1 − Fx./(Fx − Fx[1])
0e+00
1e−11
2e−11
3e−11
4e−11
5e−11
0
5
10
15
x

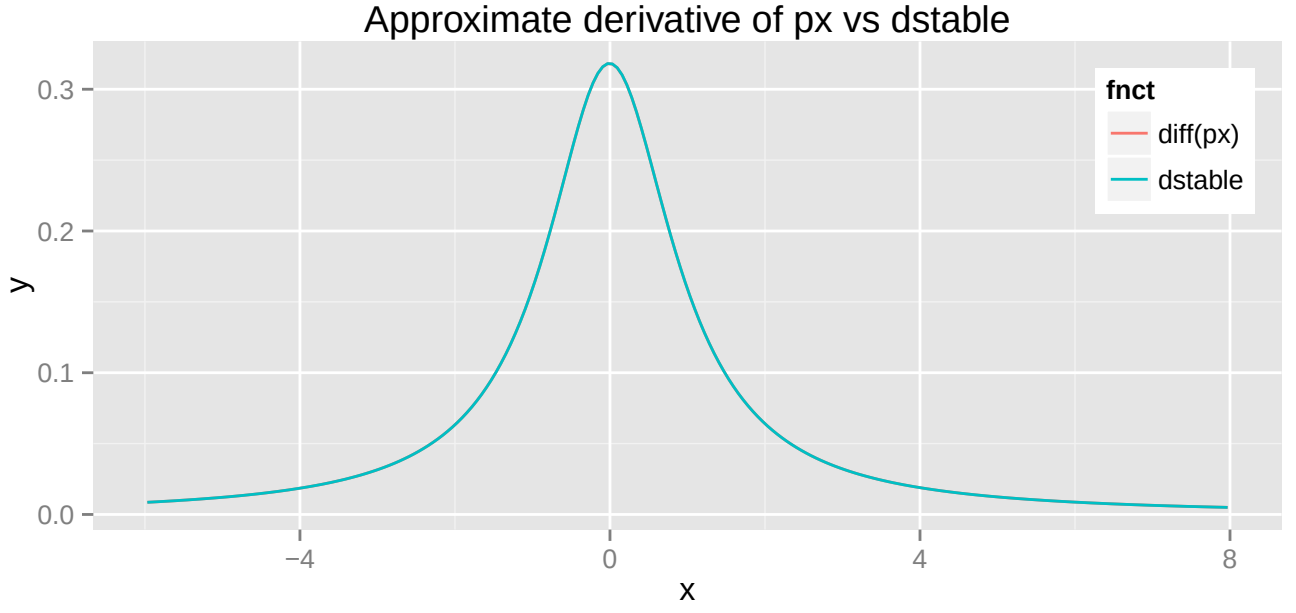

dstable(x, α = 0.999, β = −0.9)
dstable(x, 0.999, −0.9)
0.100
0.010
0.001
−20
−15
−10
−5
0
5
x

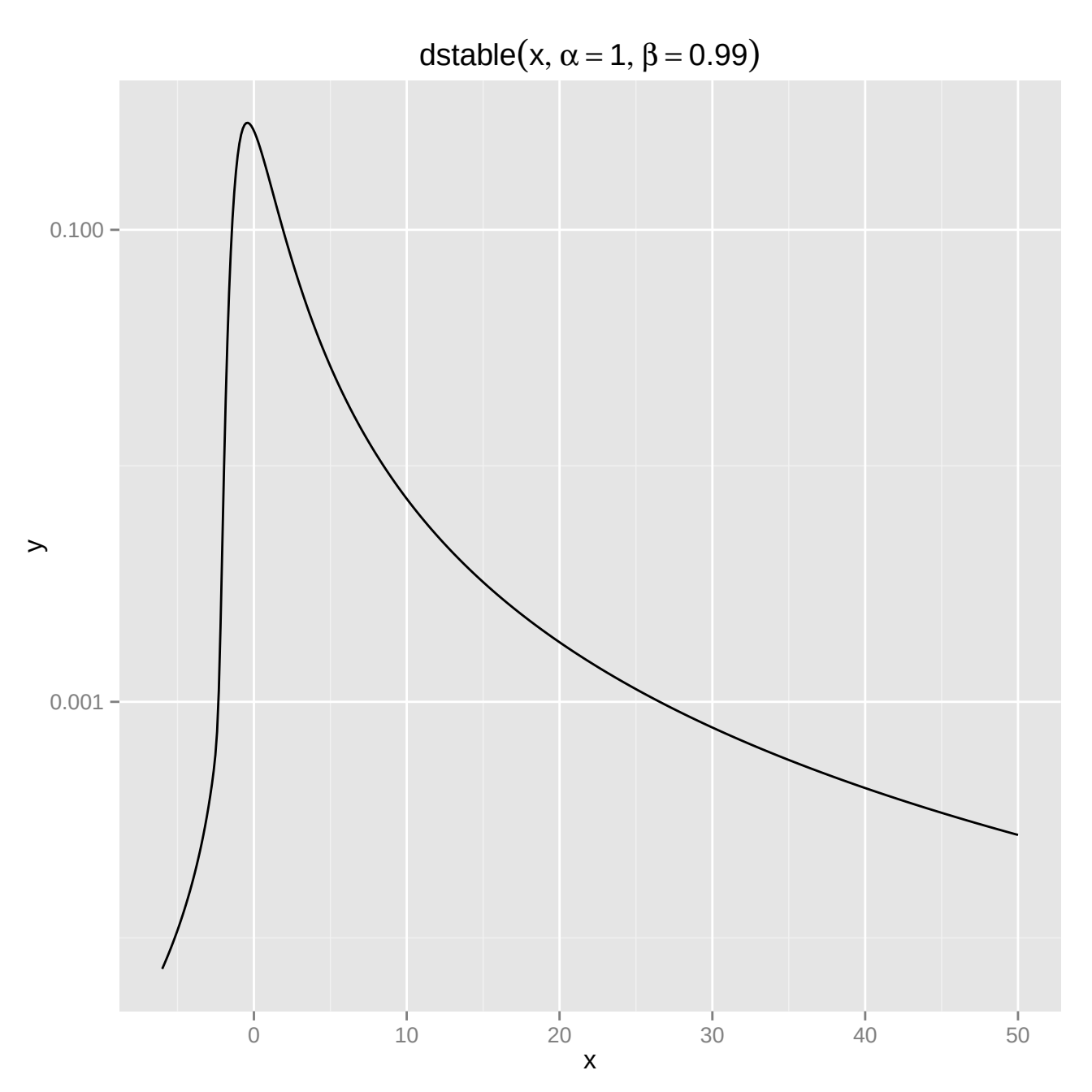

pstable(x, α = 0.999, β = −0.9)
pstable(x, 0.999, −0.9)
1.0
0.1
−20
−15
−10
−5
0
5
x

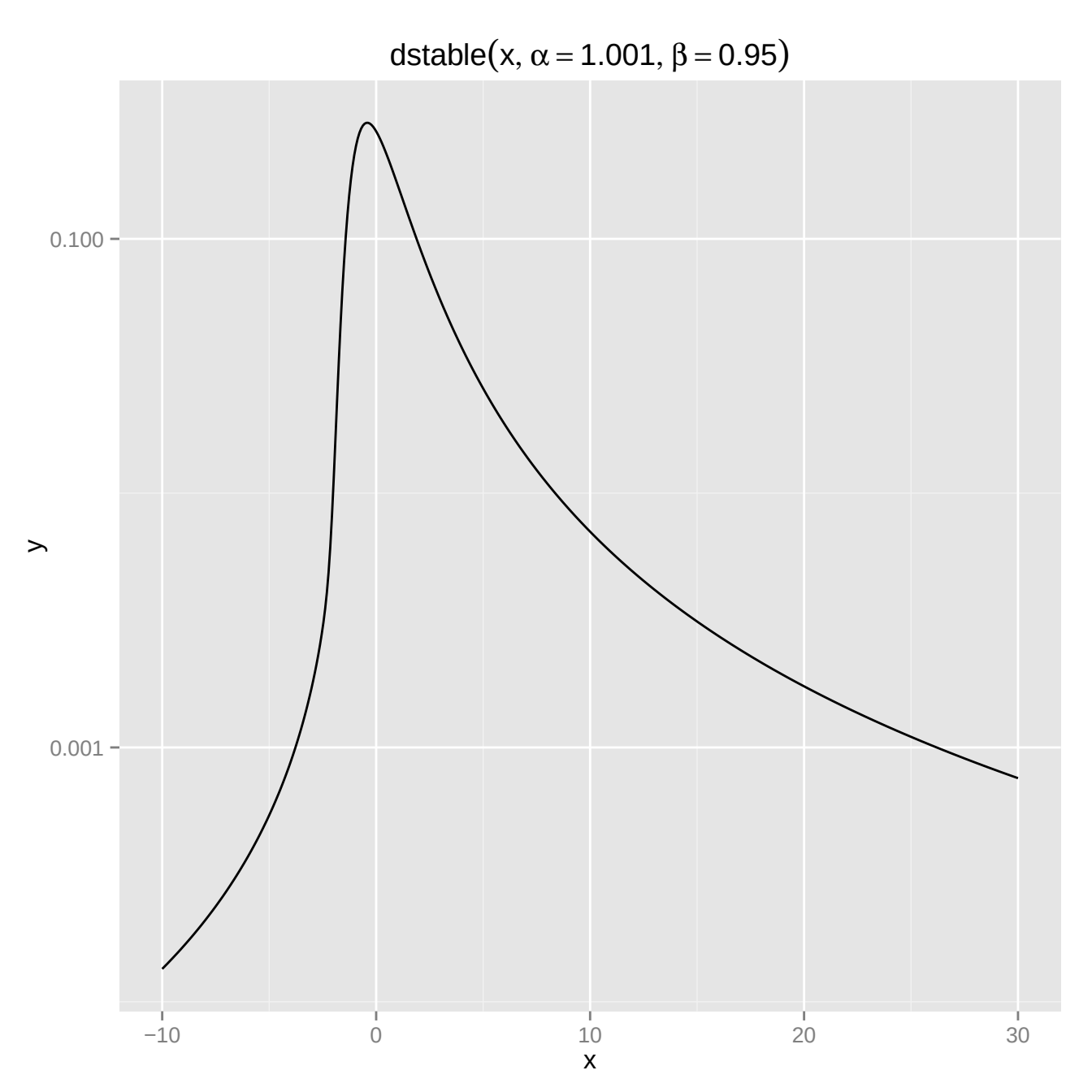

pstable(x, α = 0.999, β = −0.9)
Integral from −20.25 to x
1.00
0.75
0.50
0.25
0.00
−20
−15
−10
−5
0
5
x
fnct
pstable
int(dstable

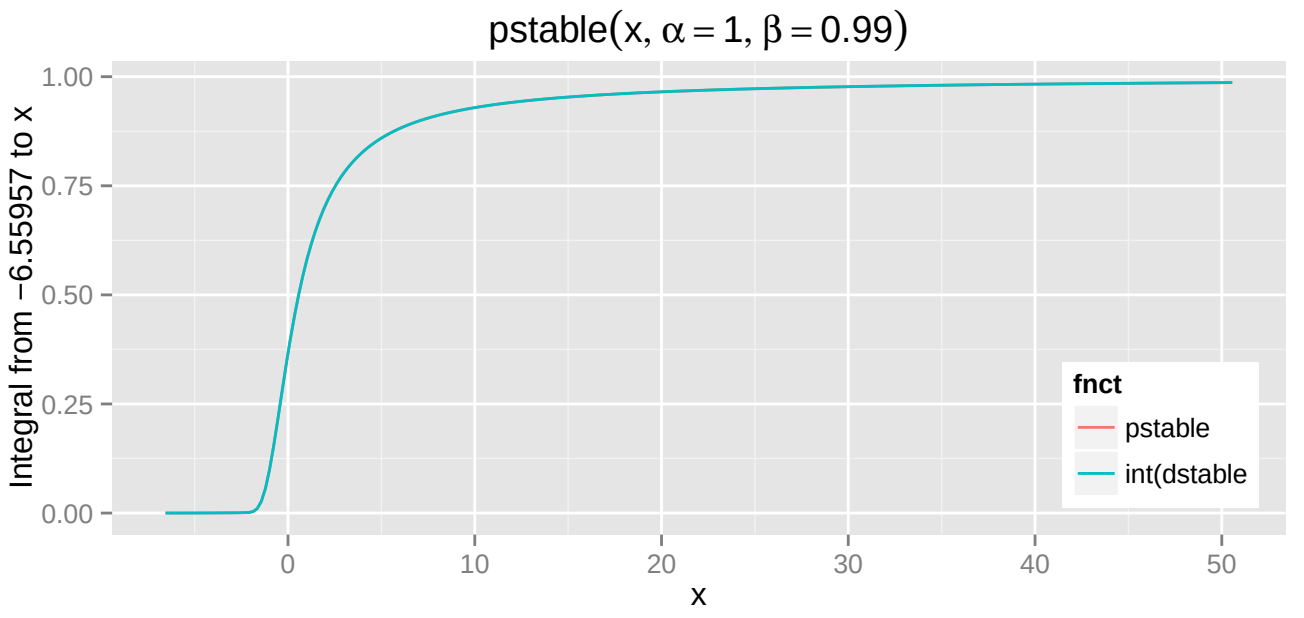

Relative error of pstable vs integral of dstable
1 − Fx./(Fx − Fx[1])
0e+00
−2e−13
−4e−13
−6e−13
−8e−13
−20
−15
−10
−5
0
5
x

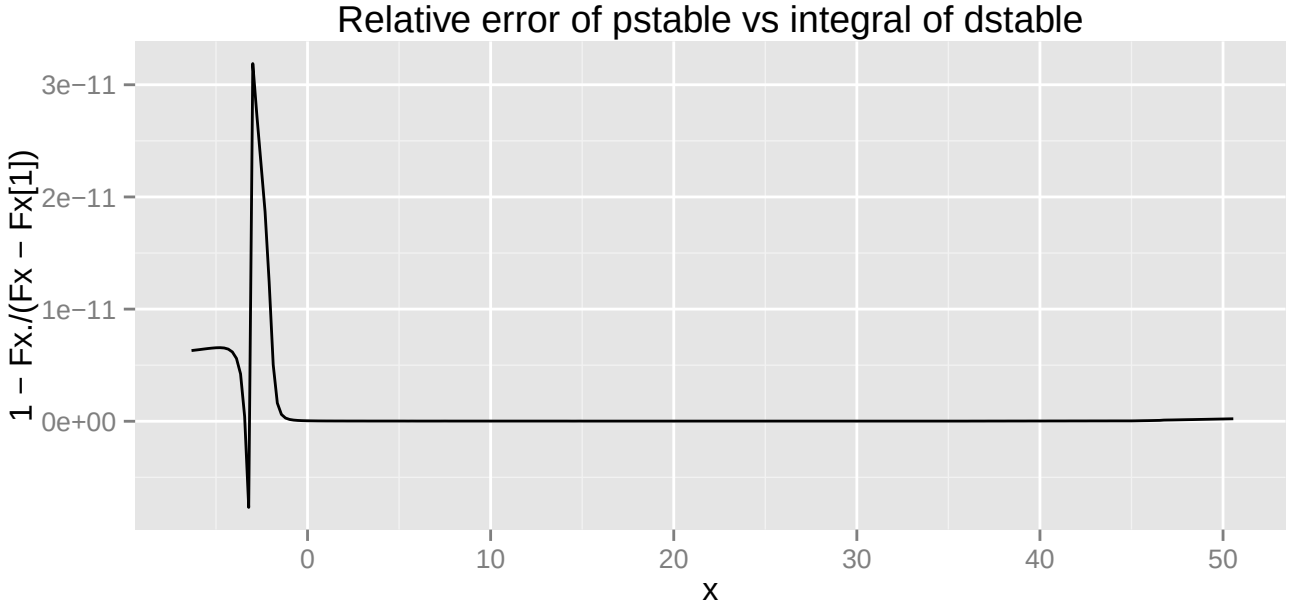

pstable(x, α = 1, β = 0.01)
pstable(x, alpha = 1, beta = 0.01)
1.00
0.75
0.50
0.25
0.00
−5
0
5
x

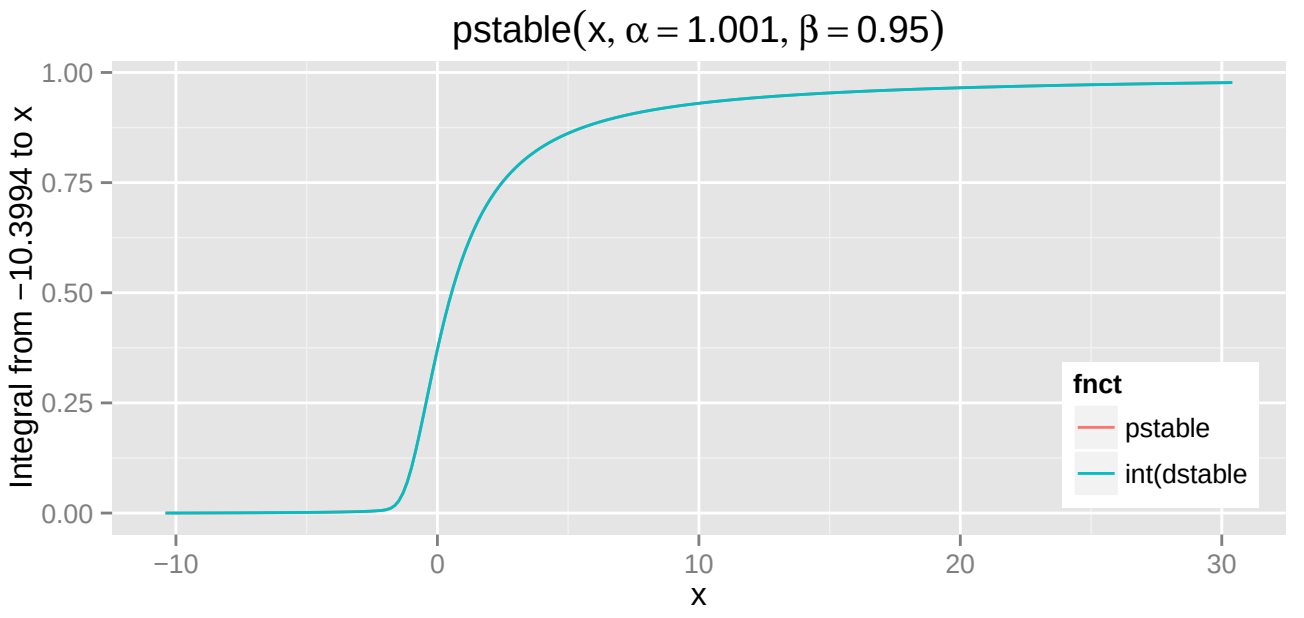

Approximate derivative of px vs dstable
fnct
diff(px)
dstable
0.3
0.2
0.1
0.0
y
−4
0
4
8
x

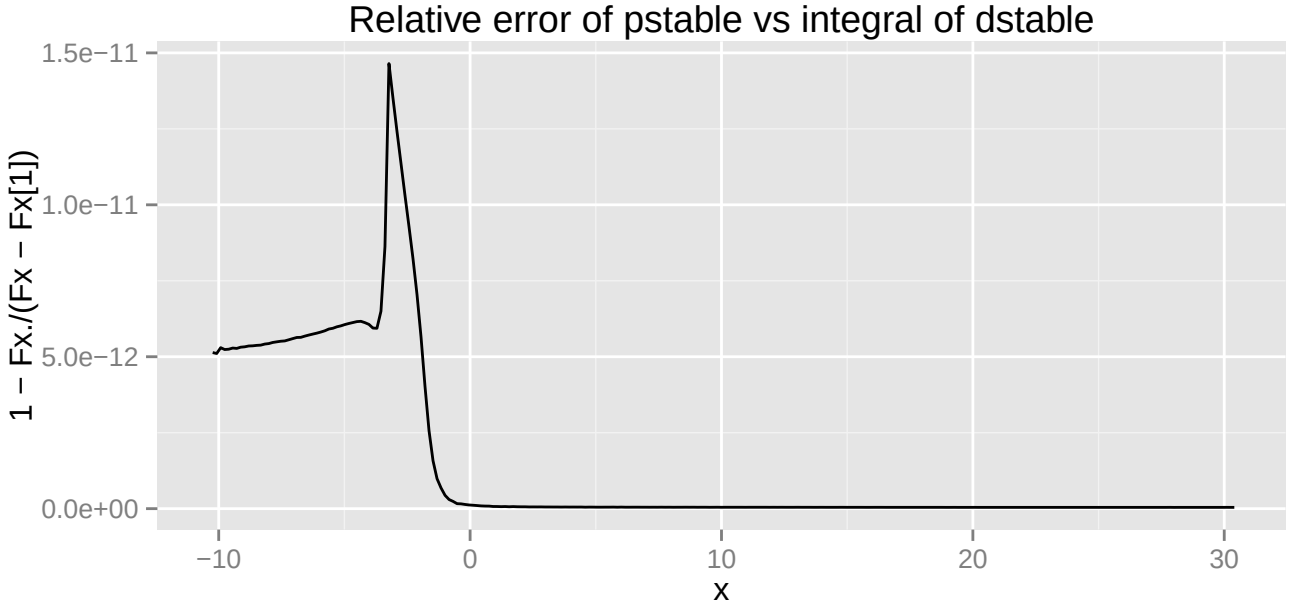

dstable(x, α = 1, β = 0.99)
0.100
0.001
y
0
10
20
30
40
50
x

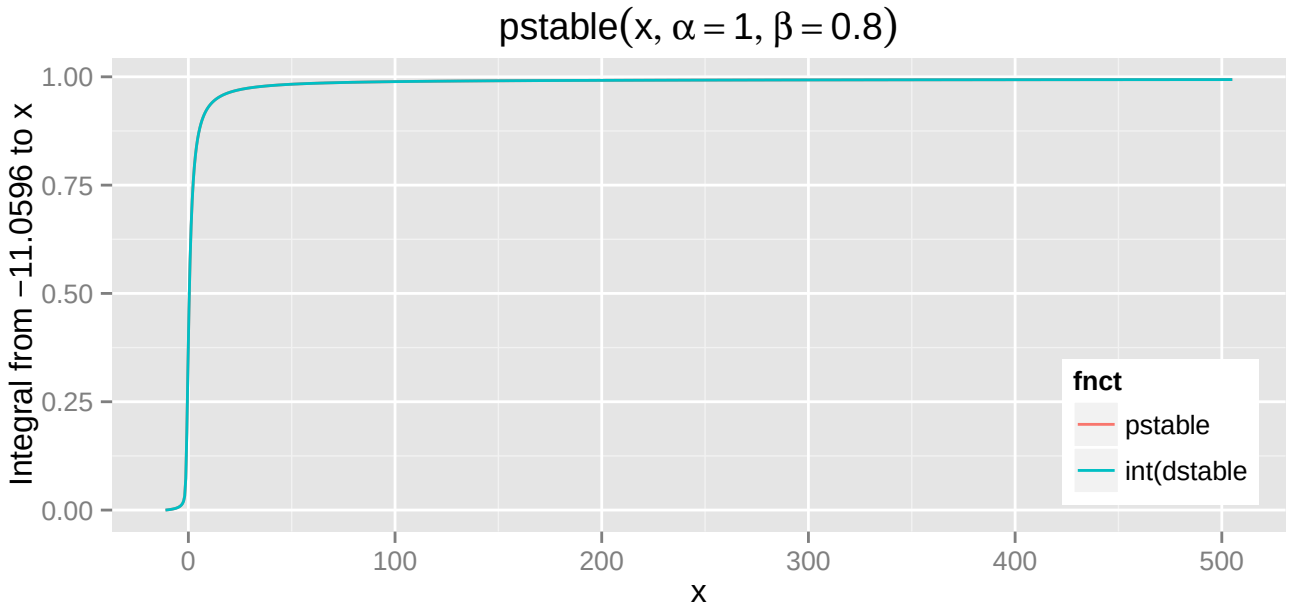

dstable(x, α = 1.001, β = 0.95)
0.100
0.001
y
−10
0
10
20
30
x

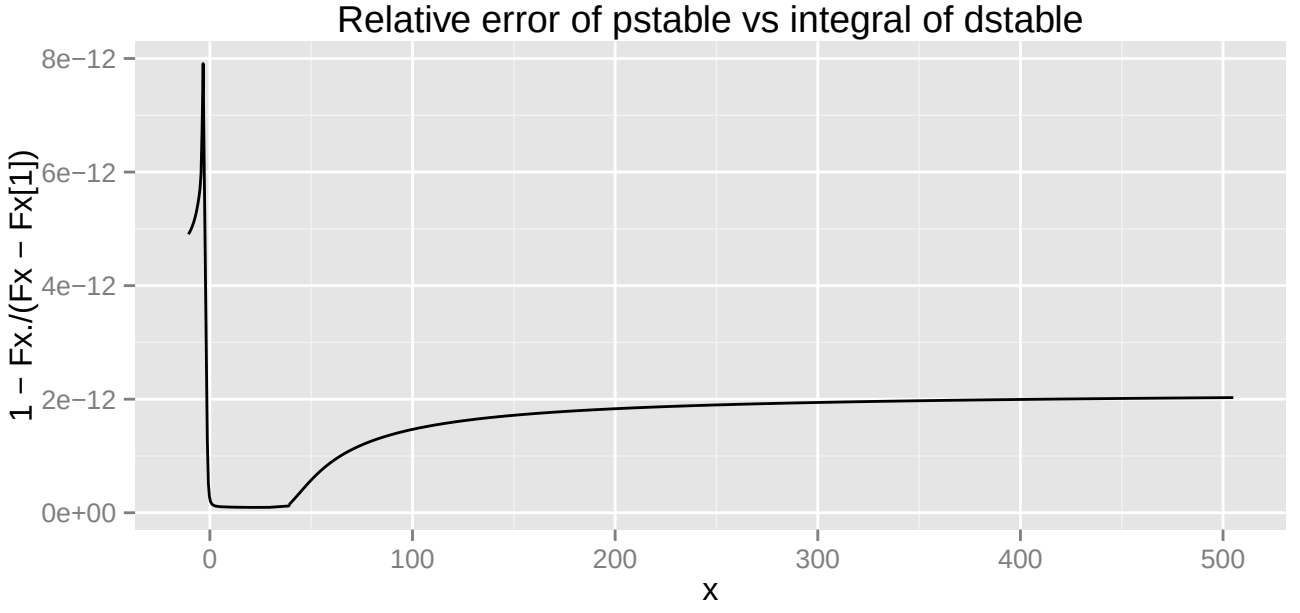

pstable(x, α = 1, β = 0.99)
Integral from −6.55957 to x
1.00
0.75
0.50
0.25
0.00
0
10
20
30
40
50
x
fnct
pstable
int(dstable

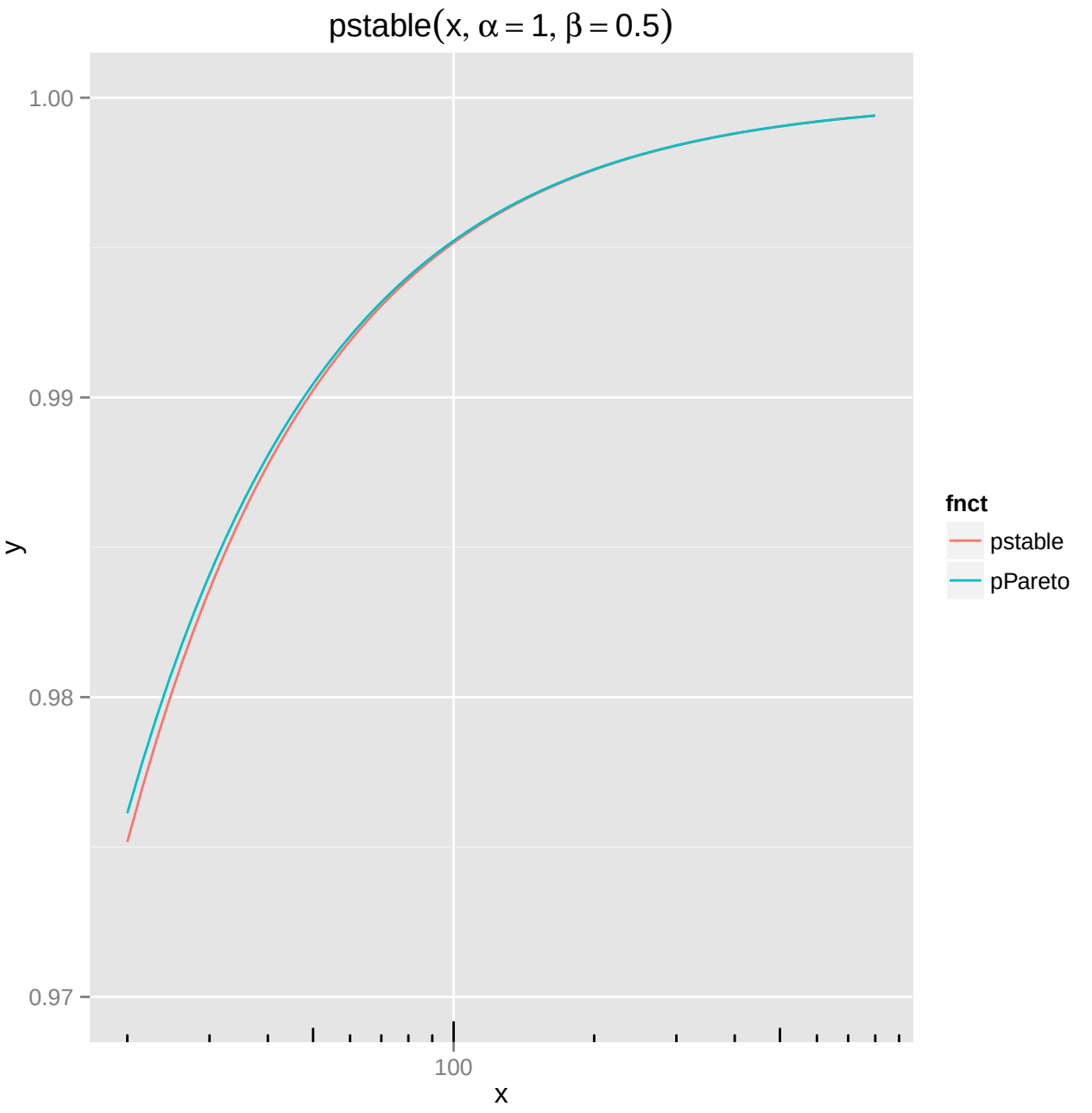

Relative error of pstable vs integral of dstable
1 − Fx./(Fx − Fx[1])
3e−11
2e−11
1e−11
0e+00
0
10
20
30
40
50
x

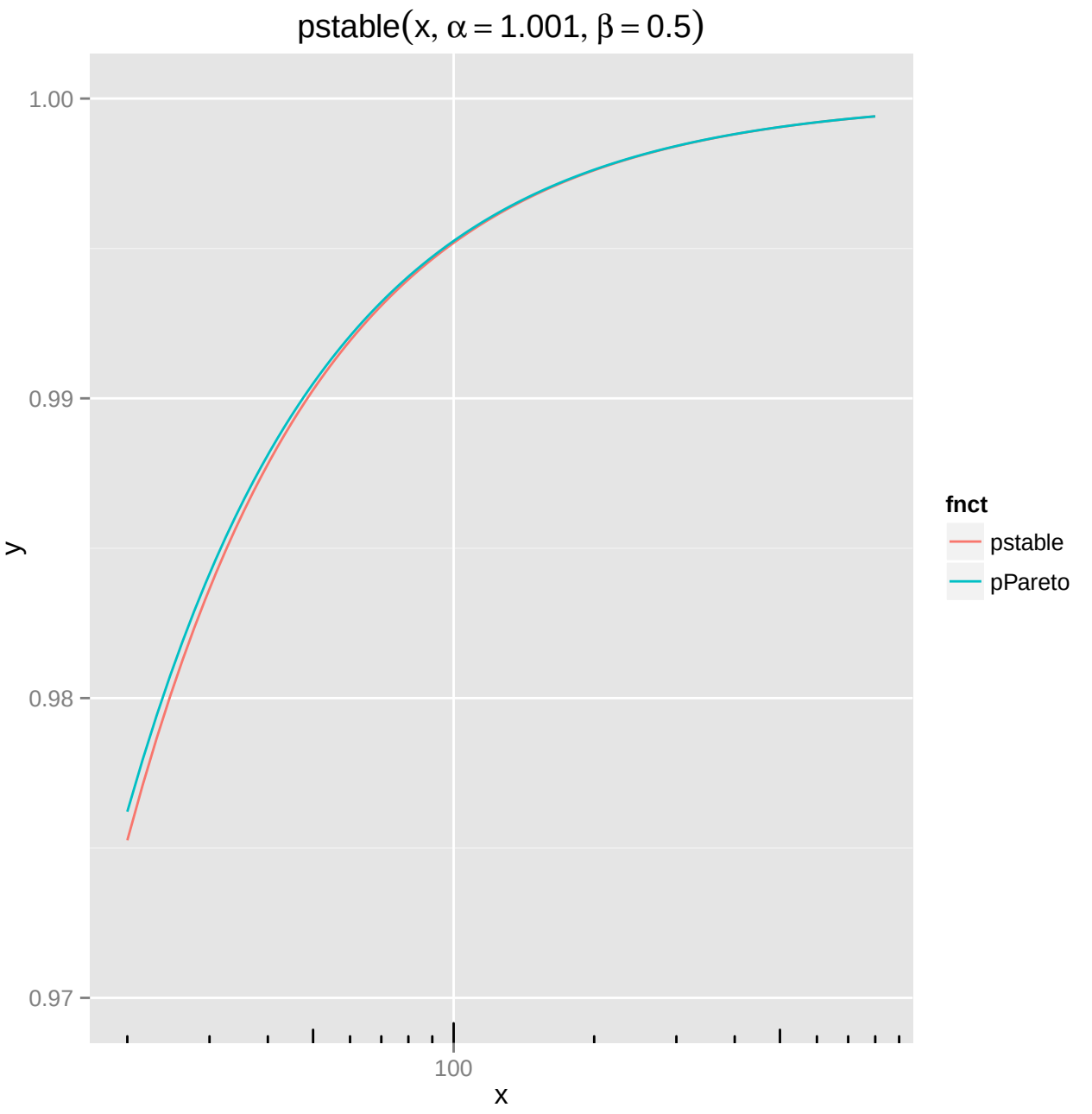

pstable(x, α = 1.001, β = 0.95)
Integral from −10.3994 to x
1.00
0.75
0.50
0.25
0.00
−10
0
10
20
30
x
fnct
pstable
int(dstable

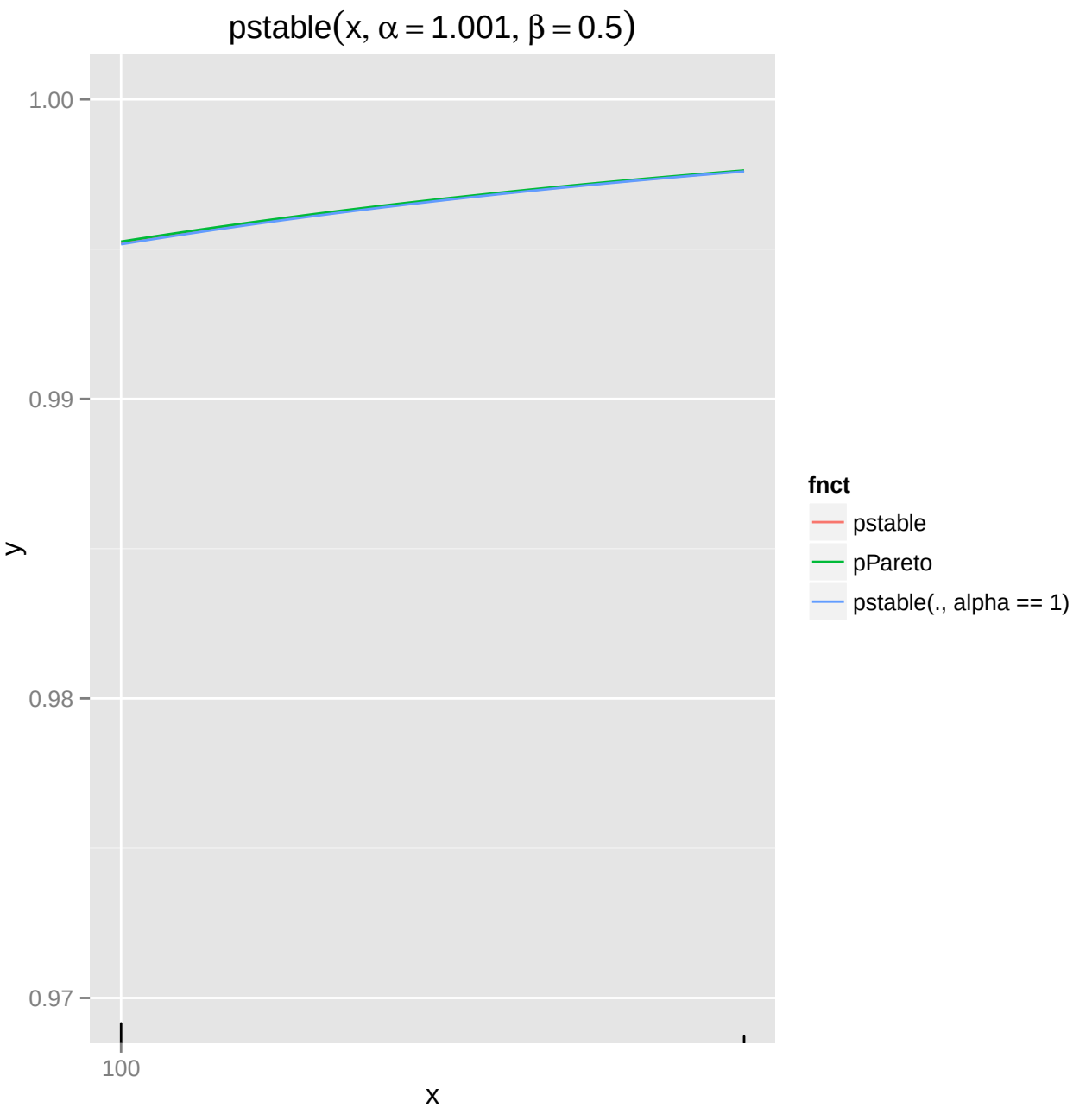

Relative error of pstable vs integral of dstable
1 − Fx./(Fx − Fx[1])
1.5e−11
1.0e−11
5.0e−12
0.0e+00
−10
0
10
20
30
x

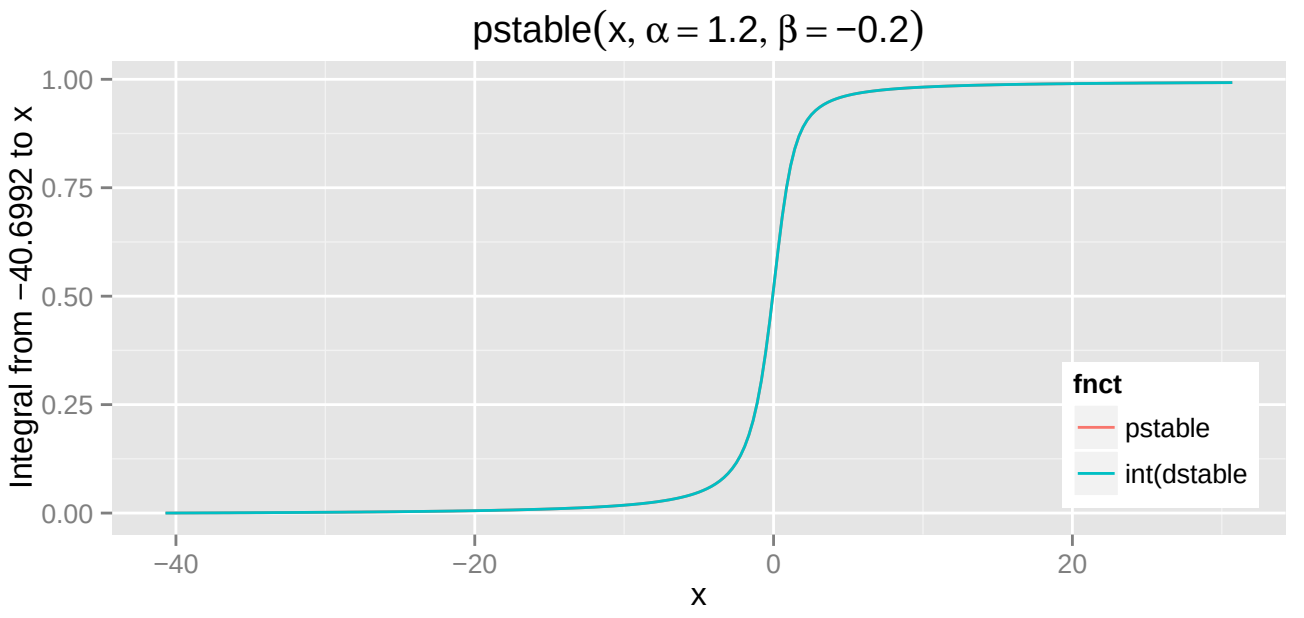

pstable(x, α = 1, β = 0.8)
Integral from −11.0596 to x
1.00
0.75
0.50
0.25
0.00
0
100
200
300
400
500
x
fnct
pstable
int(dstable

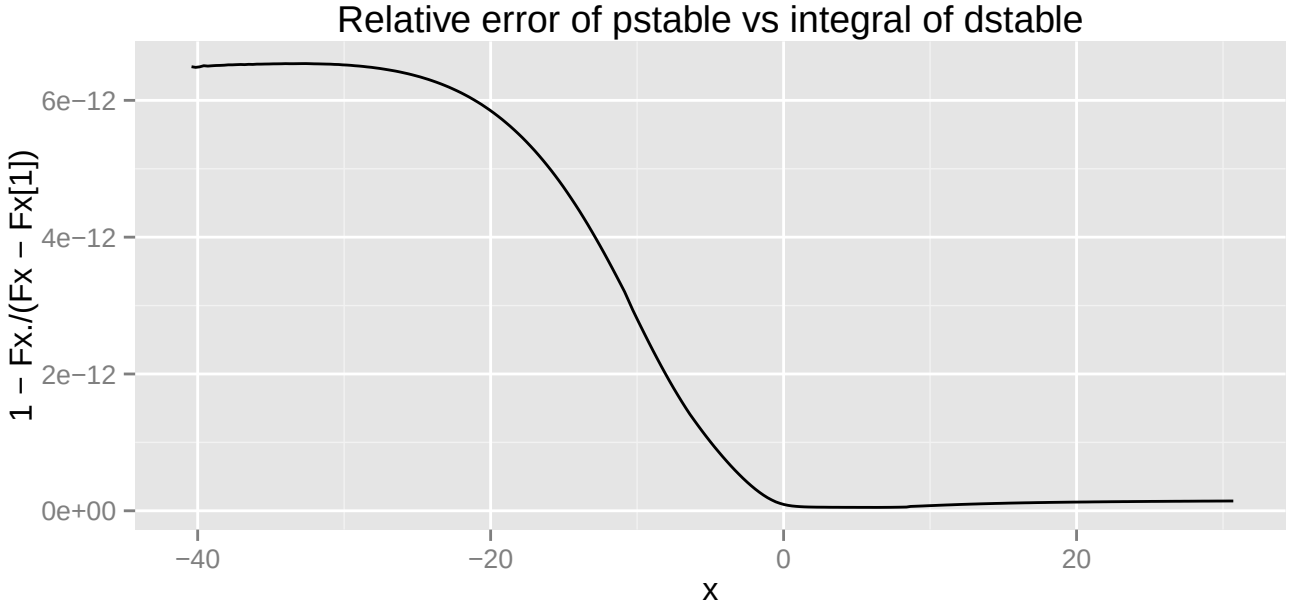

Relative error of pstable vs integral of dstable
1 − Fx./(Fx − Fx[1])
8e−12
6e−12
4e−12
2e−12
0e+00
0
100
200
300
400
500
x

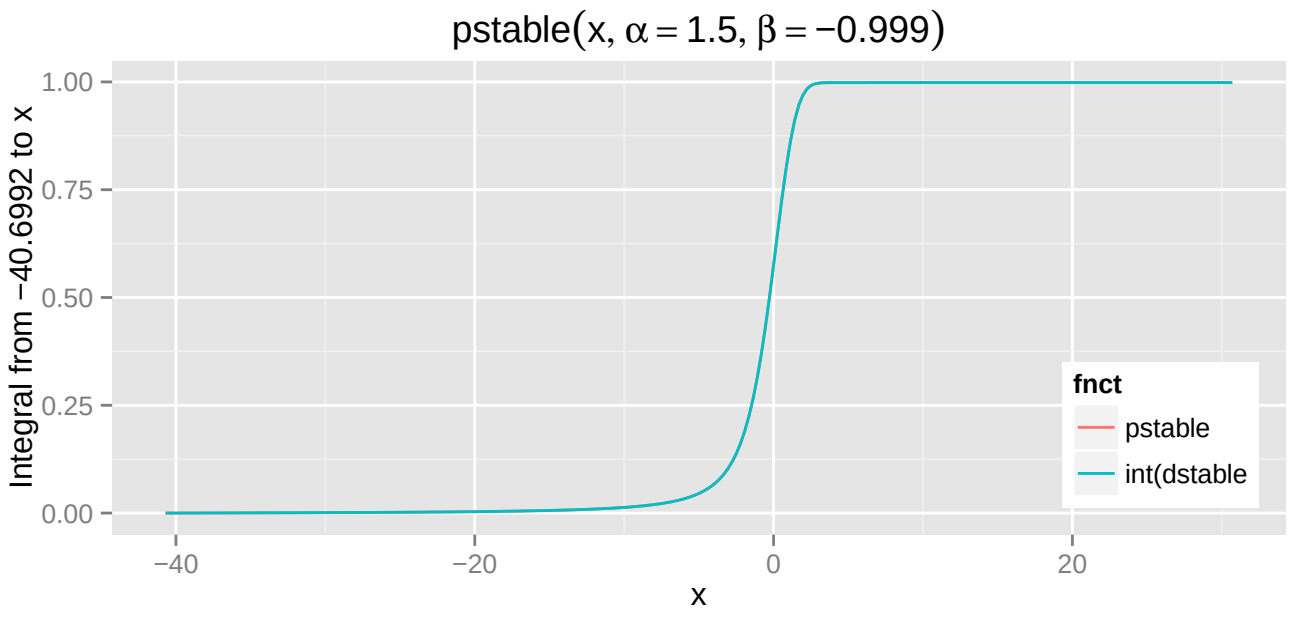

pstable(x, α = 1, β = 0.5)
1.00
0.99
0.98
0.97
y
100
x
fnct
pstable
pPareto

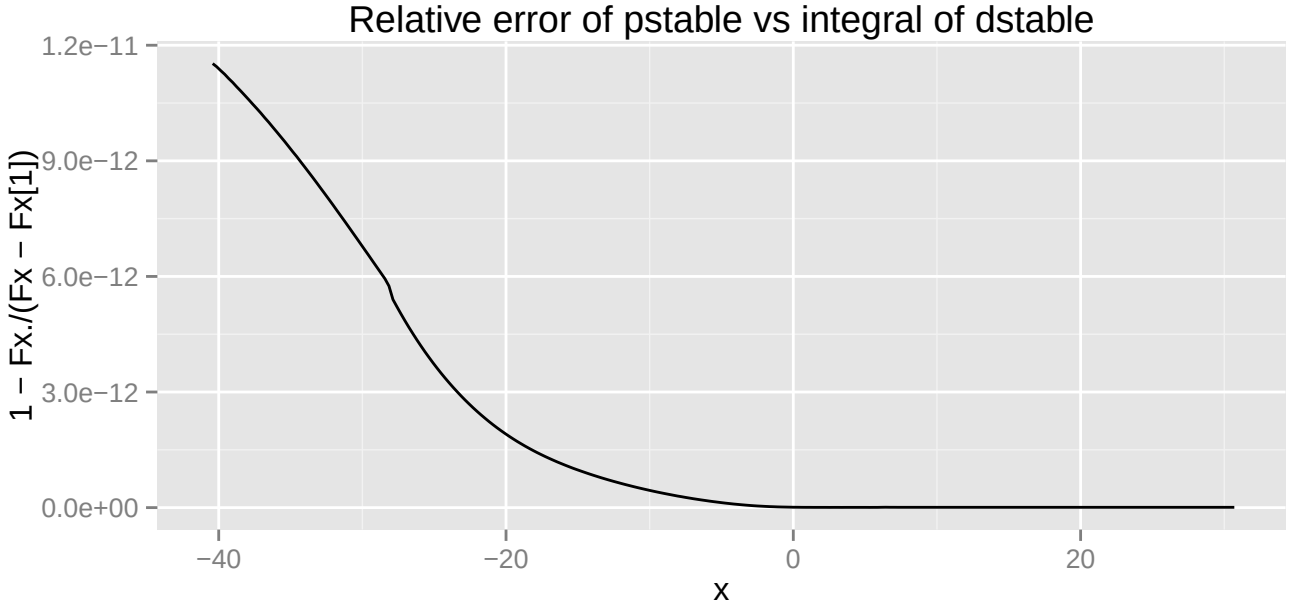

pstable(x, α = 1.001, β = 0.5)
1.00
0.99
0.98
0.97
y
100
x
fnct
pstable
pPareto


pstable(x, α = 1.001, β = 0.5)
1.00
0.99
0.98
0.97
y
100
x
fnct
pstable
pPareto
pstable(., alpha == 1)


pstable(x, α = 1.2, β = −0.2)
Integral from −40.6992 to x
1.00
0.75
0.50
0.25
0.00
−40
−20
0
20
x
fnct
pstable
int(dstable


Relative error of pstable vs integral of dstable
1 − Fx./(Fx − Fx[1])
6e−12
4e−12
2e−12
0e+00
−40
−20
0
20
x


pstable(x, α = 1.5, β = −0.999)
Integral from −40.6992 to x
1.00
0.75
0.50
0.25
0.00
−40
−20
0
20
x
fnct
pstable
int(dstable


Relative error of pstable vs integral of dstable
1 − Fx./(Fx − Fx[1])
1.2e−11
9.0e−12
6.0e−12
3.0e−12
0.0e+00
−40
−20
0
20
x