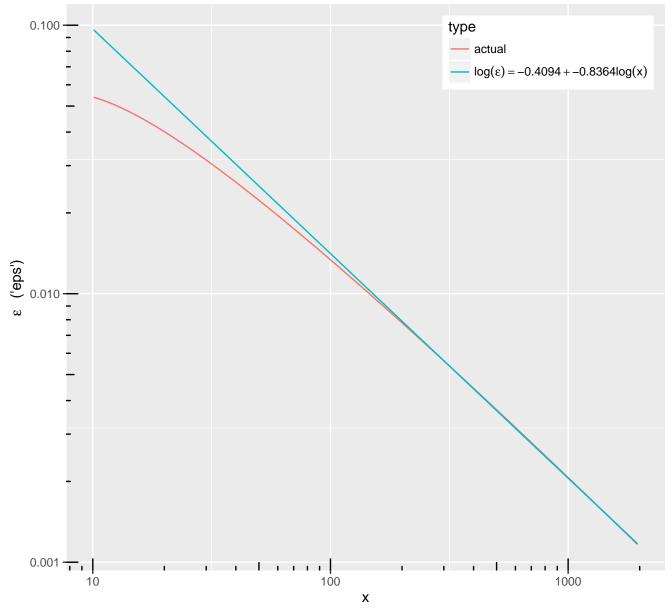
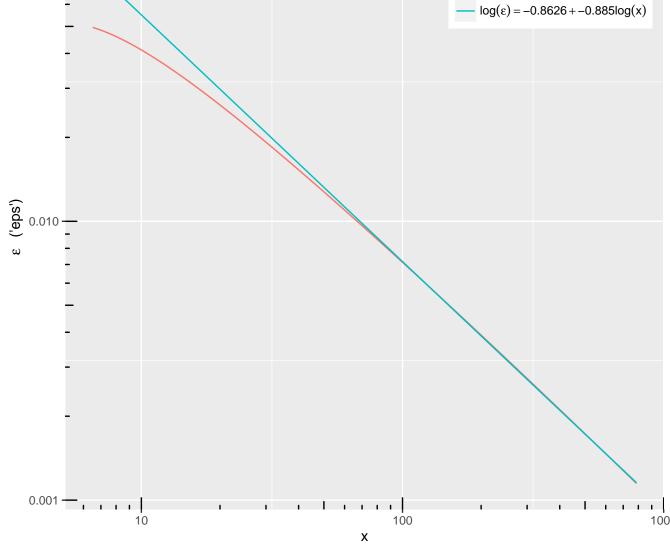
tail ratio approx. for  $pstable(\alpha = 1, \beta = 0.5)$   $\epsilon(x) = (\overline{F}(x, .) - \overline{F}_P(x, .))/\overline{F}_P(x, .)$ 

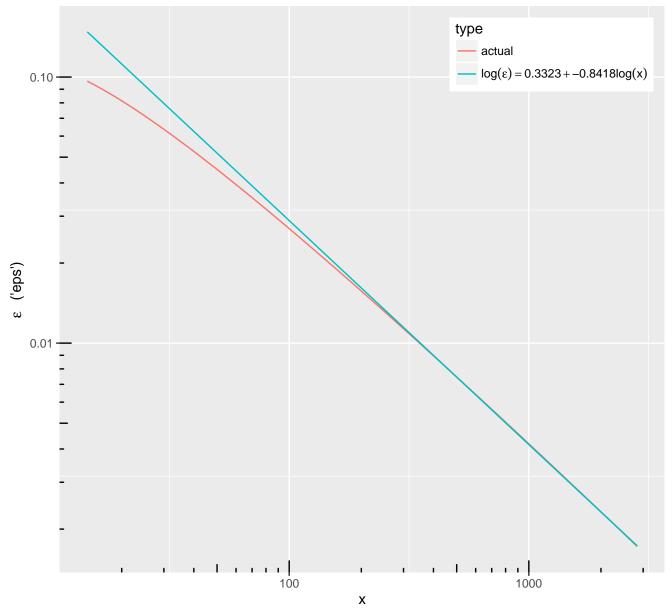


tail ratio approx. for  $pstable(\alpha = 1.1, \beta = 0.25)$  $\epsilon(x) = (\overline{F}(x, .) - \overline{F}_P(x, .)) / \overline{F}_P(x, .)$ type actual  $--\log(\varepsilon) = -0.8626 + -0.885\log(x)$ 

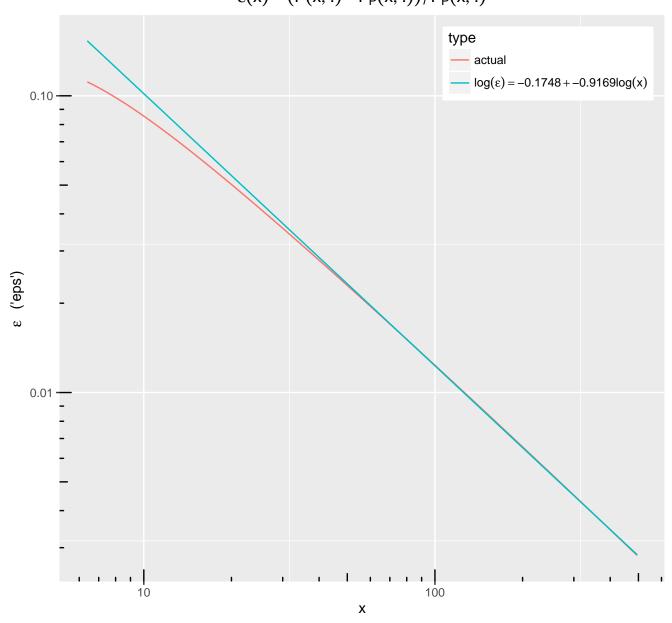


tail ratio approx. for  $pstable(\alpha = 0.99, \beta = 0.992)$ 

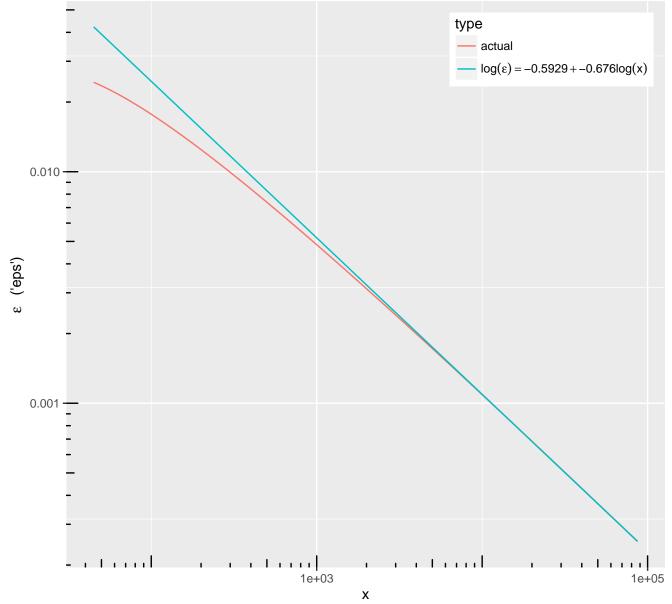
$$\varepsilon(x) = (\overline{F}(x, .) - \overline{F}_{P}(x, .))/\overline{F}_{P}(x, .)$$



tail ratio approx. for pstable  $(\alpha = 1.2, \beta = 0.5)$  $\epsilon(x) = (\overline{F}(x, .) - \overline{F}_P(x, .))/\overline{F}_P(x, .)$ 



tail ratio approx. for  $pstable(\alpha = 0.7, \beta = 0.9)$   $\epsilon(x) = (\overline{F}(x, .) - \overline{F}_P(x, .)) / \overline{F}_P(x, .)$ 

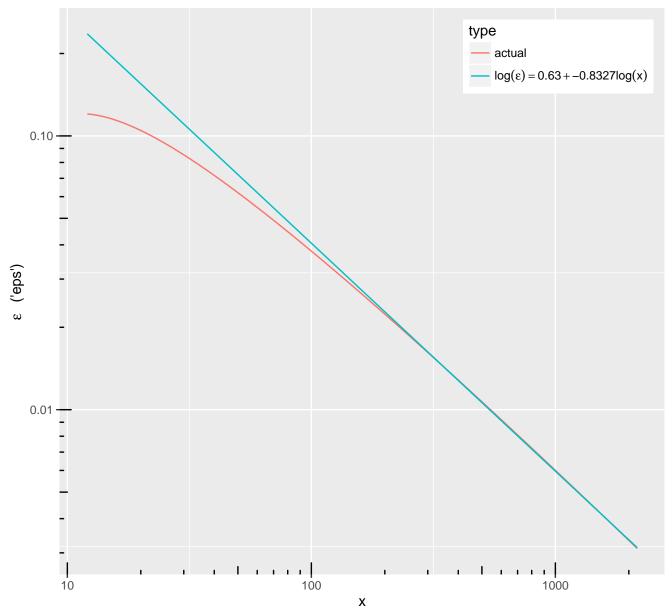


 $\epsilon(x) = (\overline{F}(x, .) - \overline{F}_P(x, .)) / \overline{F}_P(x, .)$ type actual  $-\log(\varepsilon) = 0.7988 + -1.306\log(x)$ (,sde,) 3 10

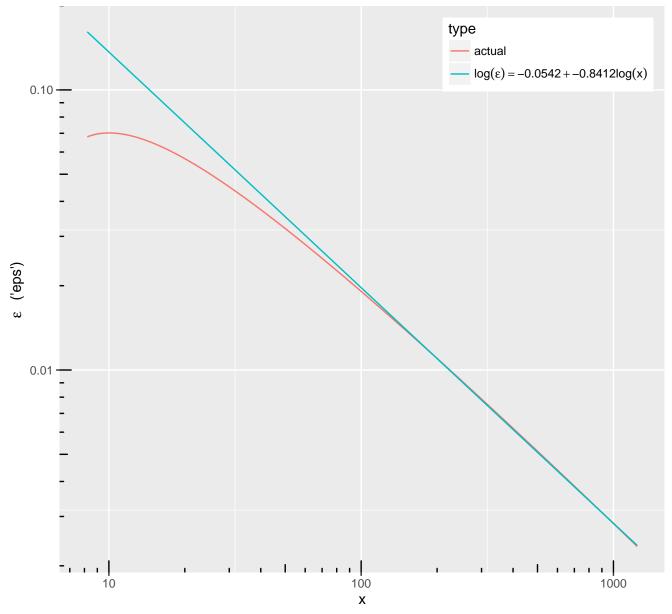
Χ

tail ratio approx. for pstable ( $\alpha = 1.7$ ,  $\beta = 0.6$ )

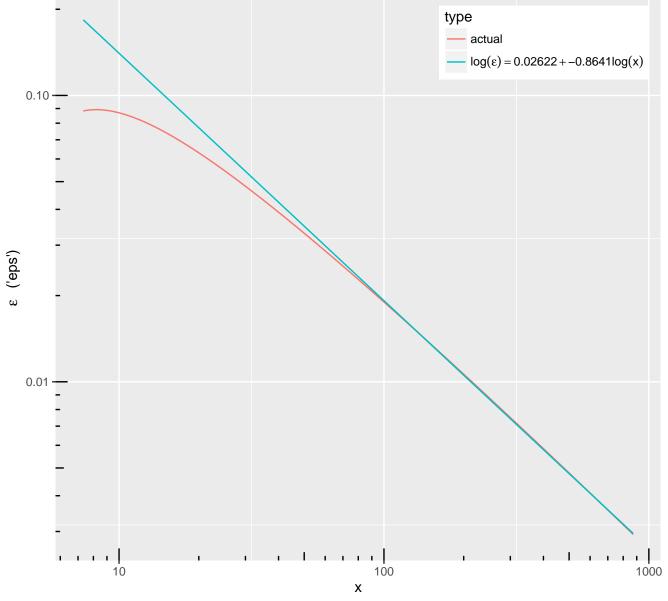
tail ratio approx. for  $dstable(\alpha = 1.01, \beta = 0.8)$   $\epsilon(x) = (f(x, .) - f_P(x, .))/f_P(x, .)$ 



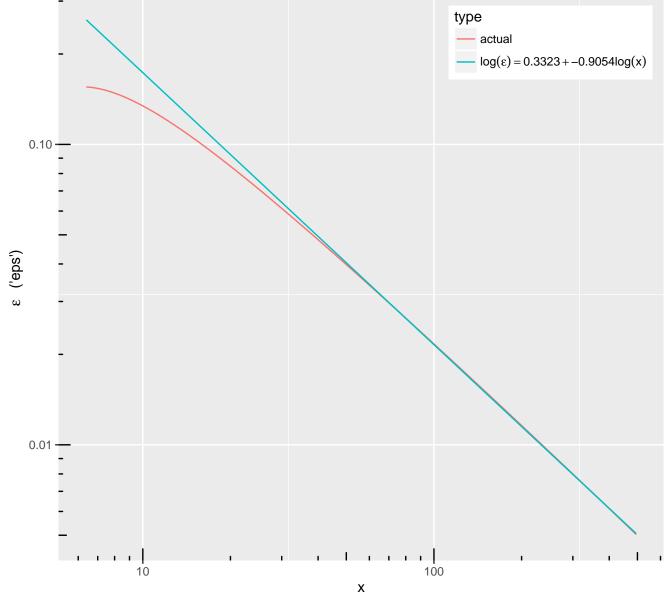
tail ratio approx. for dstable  $(\alpha = 1.05, \beta = 0.4)$  $\epsilon(x) = (f(x, .) - f_P(x, .))/f_P(x, .)$ 



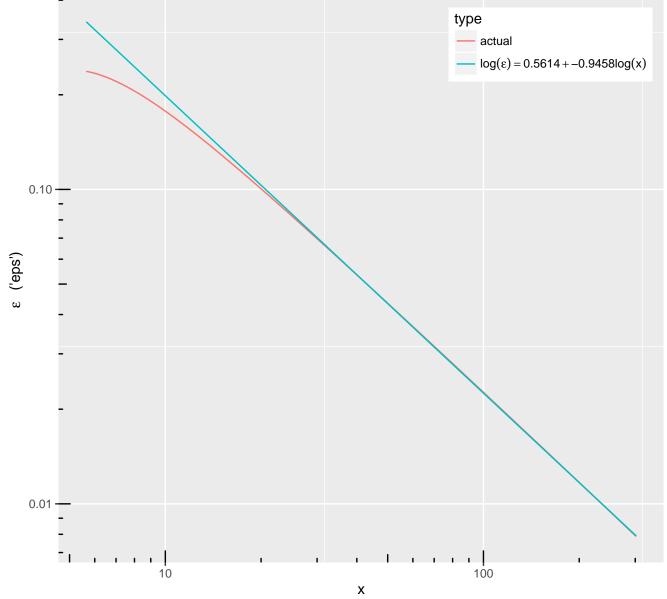
tail ratio approx. for dstable  $(\alpha = 1.1, \beta = 0.4)$  $\epsilon(x) = (f(x, .) - f_P(x, .))/f_P(x, .)$ 



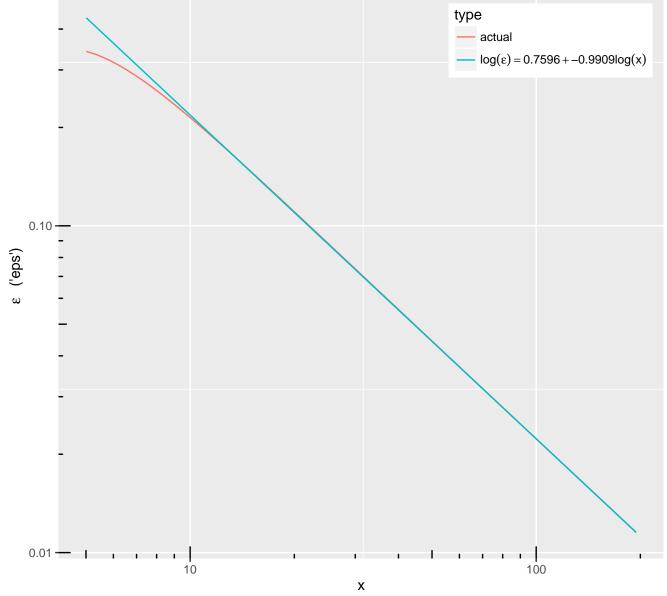
tail ratio approx. for dstable  $(\alpha = 1.2, \beta = 0.5)$  $\epsilon(x) = (f(x, .) - f_P(x, .))/f_P(x, .)$ 



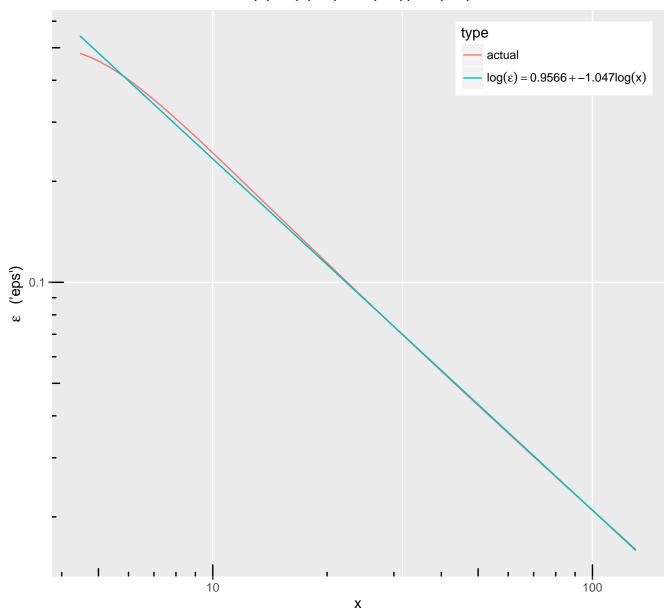
tail ratio approx. for dstable  $(\alpha = 1.3, \beta = 0.6)$  $\epsilon(x) = (f(x, .) - f_P(x, .))/f_P(x, .)$ 



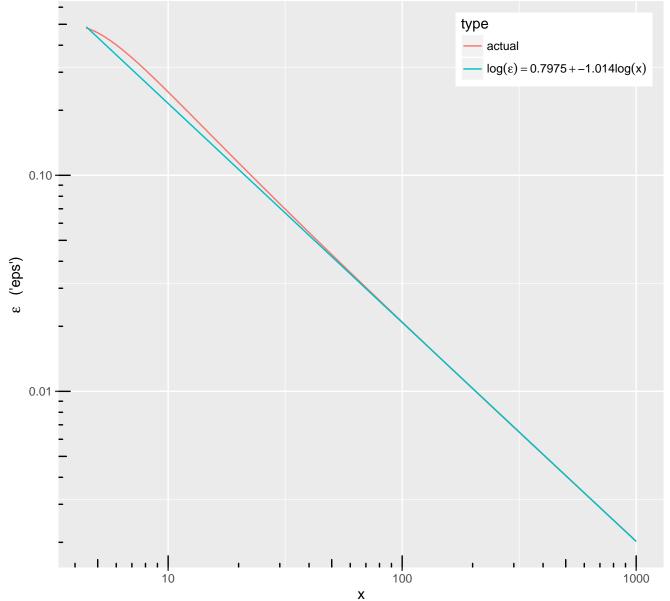
tail ratio approx. for  $dstable(\alpha = 1.4, \beta = 0.7)$  $\epsilon(x) = (f(x, .) - f_P(x, .))/f_P(x, .)$ 



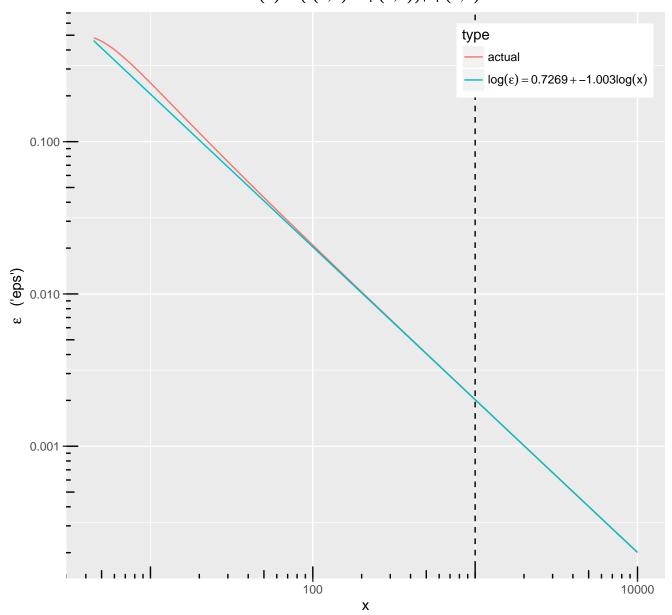
tail ratio approx. for  $dstable(\alpha = 1.5, \beta = 0.8)$   $\epsilon(x) = (f(x, .) - f_P(x, .))/f_P(x, .)$ 



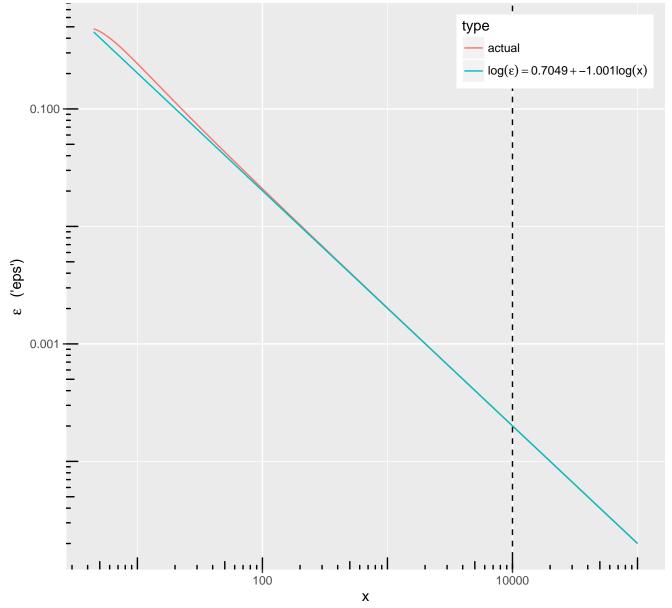
tail ratio approx. for  $dstable(\alpha = 1.5, \beta = 0.8)$   $\epsilon(x) = (f(x, .) - f_P(x, .))/f_P(x, .)$ 



tail ratio approx. for dstable  $(\alpha = 1.5, \beta = 0.8)$  $\epsilon(x) = (f(x, .) - f_P(x, .))/f_P(x, .)$ 



tail ratio approx. for  $dstable(\alpha = 1.5, \beta = 0.8)$   $\epsilon(x) = (f(x, .) - f_P(x, .))/f_P(x, .)$ 

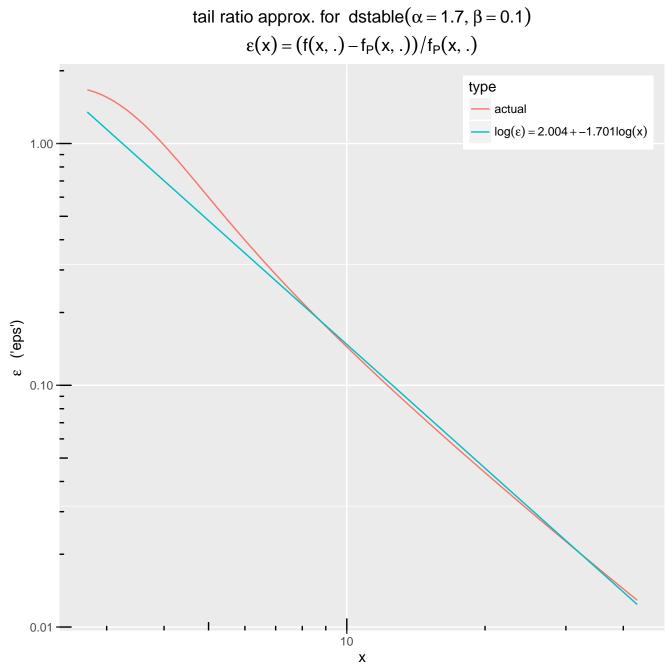


tail ratio approx. for dstable( $\alpha = 1.6$ ,  $\beta = 0.9$ )  $\varepsilon(x) = (f(x, .) - f_P(x, .))/f_P(x, .)$ type actual  $log(\epsilon) = 1.183 + -1.126log(x)$ 

10

Χ

100



tail ratio approx. for dstable( $\alpha = 1.8, \beta = 0.2$ )  $\varepsilon(x) = (f(x, .) - f_P(x, .))/f_P(x, .)$ type - actual  $-\log(\varepsilon) = 2.632 + -1.906\log(x)$ 

10

Χ

1.0 —

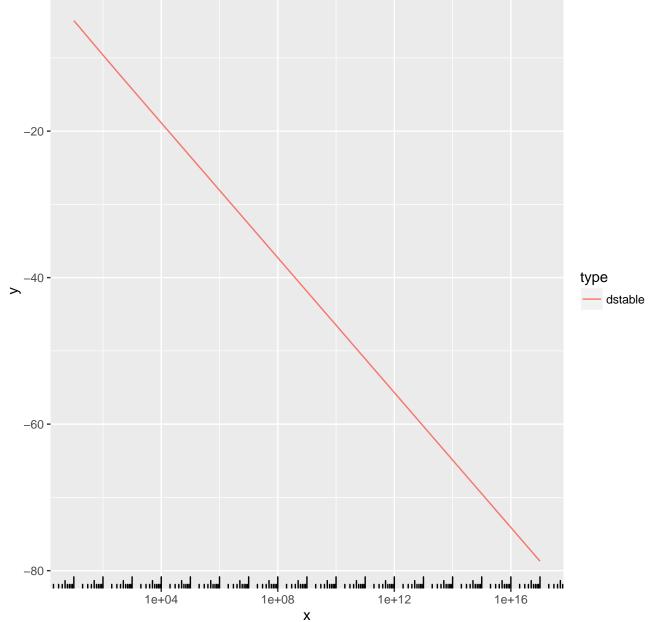
0.1 —

 $dstable(x, \alpha = 0.999, \beta = 0.1, log = T)$ -20 **-**-40 type dstable -60 **-**-80 restand 1e+12 1e+04 1e+08 Χ

 $dstable(x, \alpha = 0.999, \beta = 0.9, log = T)$ -20 type -40 dstable -60 **-**-80 restand 1e+12 1e+04 1e+08

Χ

 $dstable\big(x,\,\alpha=0.999,\,\beta=0.99,\,log=T\big)$ 



 $dstable\big(x,\,\alpha=0.999,\,\beta=0.99,\,log=T\big)$ 0 --200 type  $>_{-400}$  dstable -600 **-**1e+30 1e+68 1e+106 1e+144

Χ

 $dstable\big(x,\,\alpha=1.001,\,\beta=0.99,\,log=T\big)$ -10 type dstable -20 **-**-30 tion rection certion rection rection rection rection 1e+02 1e+04 1e+06 Χ

 $dstable\big(x,\,\alpha=1.001,\,\beta=0.99,\,log=T\big)$ 

