Cauchy distribution
Probability density function

$a :=$ curve2d$\big($ cauchydens $(x , 0 , 0.5) , x , -4 , 4 , 100\big)$

$b :=$ curve2d$\big($ cauchydens $(x , 0 , 1) , x , -4 , 4 , 100\big)$

$c :=$ curve2d$\big($ cauchydens $(x , 0 , 2) , x , -4 , 4 , 100\big)$

$d :=$ curve2d$\big($ cauchydens $(x , -2 , 1) , x , -4 , 4 , 100\big)$

Name	Title	Color	Origin
a	(0, 0.5)	--------	
b	(0, 1)	--------	
c	(0, 2)	--------	
d	(-2, 1)	--------	

Cauchy - Probability density function