Exponential distribution

The exponential distribution is the probability distribution that describe the time between events in a Poisson process (a process in which events occur continuously and independently at a constant average rate).

Cumulative distribution function

$a := \text{curve2d}\big(\text{exponentialdist}(x, 0.5), x, 0, 5, 100\big)$

$b := \text{curve2d}\big(\text{exponentialdist}(x, 1), x, 0, 5, 100\big)$

$c := \text{curve2d}\big(\text{exponentialdist}(x, 1.5), x, 0, 5, 100\big)$

$d := \text{curve2d}\big(\text{exponentialdist}(x, 2), x, 0, 5, 100\big)$

Name	Title	Color	Origin
a	$\lambda = 0.5$	--------	
b	$\lambda = 1$	--------	
c	$\lambda = 1.5$	--------	
d	$\lambda = 2$	--------	

Exponential - Cumulative distribution function