

Ln X Graph

Natural logarithm (redirect from Ln(x))

$\{dx\}\{x\}\}$ $d v = d x \text{ ? } v = x$ $\{\displaystyle dv=dx\rightarrow v=x\}$ then: $\text{? } \ln \text{ ? } x \text{ } d x = x \ln \text{ ? } x \text{ ? } \text{? } x x \text{ } d x = x$
 $\ln \text{ ? } x \text{ ? } \text{? } 1 \text{ } d x = x \ln \text{ ? } x \text{ ? } x + C$ $\{\displaystyle\ldots$

Ladder graph

mathematical field of graph theory, the ladder graph L_n is a planar, undirected graph with $2n$ vertices and $3n$
 $\text{? } 2$ edges. The ladder graph can be obtained as...

Exponential function (redirect from E^x)

$\log \}$?, converts products to sums: $\text{? } \ln \text{ ? } (x \text{ ? } y) = \ln \text{ ? } x + \ln \text{ ? } y$ $\{\displaystyle \ln(x\cdot y)=\ln x+\ln y\}$?.
The exponential function is occasionally...

Stirling's approximation

$\text{? } \text{? } 1 \text{ } 2 \ln \text{ ? } n \text{ ? } \text{? } 1 \text{ } n \ln \text{ ? } x \text{ } d x = n \ln \text{ ? } n \text{ ? } n + 1$, $\{\displaystyle \ln(n!)-\{\tfrac {1}{2}\}\ln n\approx \int$
 $_{{1}}^{{n}}\ln x\,,\rm {d}\}x=n\ln n-n+1,\}$...

Random geometric graph

In graph theory, a random geometric graph (RGG) is the mathematically simplest spatial network, namely an
undirected graph constructed by randomly placing...

Logit

function $\text{? } (x) = 1 / (1 + e \text{ ? } x)$ $\{\displaystyle \sigma (x)=1/(1+e^{\{-x\}})\}$, so the logit is defined as $\text{logit ? } p$
 $= \text{? } \text{? } 1 \text{ } (p) = \ln \text{ ? } p \text{ } 1 \text{ ? } p$ for...

Directed acyclic graph

In mathematics, particularly graph theory, and computer science, a directed acyclic graph (DAG) is a directed
graph with no directed cycles. That is, it...

Exponential family random graph models

$T = (\text{? } \ln \text{ ? } 2 , \ln \text{ ? } 3) \text{ } T$ $\{\displaystyle \theta _{1},\theta _{2})^{T}=(-\ln 2,\ln 3)^{T}\}$, so that the
probability of every graph $y \text{ ? } Y$ $\{\displaystyle\ldots$

Derivative (redirect from $F\'(x)$)

$d (x \text{ } 2) \text{ } d x \cos \text{ ? } (x \text{ } 2) \text{ ? } d (\ln \text{ ? } x) \text{ } d x \text{ } e \text{ } x \text{ ? } \ln \text{ ? } (x) \text{ } d (e \text{ } x) \text{ } d x + 0 = 4 x \text{ } 3 + 2 x \cos \text{ ? } (x \text{ } 2) \text{ ? } 1 x \text{ } e \text{ } x \text{ ? }$
 $\ln \text{ ? } (x) \text{ } e \text{ } x .$ $\{\displaystyle\ldots$

Asymptote

asymptote of $f(x)$ when x tends to $+\infty$. The function $f(x) = \ln x$ has $m = \lim_{x \rightarrow +\infty} \frac{f(x)}{x} = \lim_{x \rightarrow +\infty} \frac{\ln x}{x} = 0$

Conductance (graph theory)

state $x \in \Omega$, $\frac{1}{4} x^2 (\ln(x) + 1) \leq \tau_x(\delta)$

Beta distribution

$X) = e^{\text{var}[\ln(1-X)]} \ln \text{cov}(X, 1-X) = E[(\ln X \ln GX)(\ln(1-X) \ln G1X)] = E[(\ln X E[\ln$

Logarithm (redirect from Log(x))

$\log_b x = \frac{1}{x \ln b}$. That is, the slope of the tangent touching the graph of the base- b

Hyperbolic functions (redirect from Sinh(x))

$(x+1/x)|x| > 1$ $\operatorname{arsech}(x) = \ln(1+x^2) = \ln(1+x^2)^0 < x \leq 1$ $\operatorname{arcsch}(x) = \ln(1+x^2+1)/x^2$

Digamma function

for $x > 0$, $\ln(x+1/2) - 1/x < \psi(x) < \ln(x+e^{-x}) - 1/x$, $\ln(x+\frac{1}{2}) - \frac{1}{x} < \psi(x) < \ln(x+e^{-\gamma}) - \frac{1}{x}$

Log–log plot (redirect from Loglog graph)

$\int_0^1 \text{constant} x dx = F(0,1) - F(0,0) = F(1) - F(0) = \ln 1 - \ln 0 = 1$

Erdős–Rényi model (redirect from Erdos–Renyi random graph)

For example, the statement that almost every graph in $G(n, 2\ln(n)/n)$ is connected means that, as $n \rightarrow \infty$

Equation $xy = yx$ (redirect from $X^y=y^x$)

$\ln x \exp(y \ln x) = \ln x (\text{multiply by } \ln x)$

Taylor series

Maclaurin series $\ln(1+x) = \sum_{n=1}^{\infty} \frac{x^n}{n} = x - \frac{x^2}{2} + \frac{x^3}{3} - \dots$, $\ln(1+x) = \sum_{n=1}^{\infty} \frac{(-1)^{n+1} x^n}{n} = x - \frac{x^2}{2} + \frac{x^3}{3} - \dots$

Set cover problem

than $\ln \Delta = O(\ln \ln \Delta)$ unless $P = NP$, thus making the approximation of $\ln \Delta$...

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