

INVERSE SYMBOLIC CALCULATOR

Tables of Constants

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Note : To download: the files have been placed in this directory and the splitted into 1 megabyte chunks : The big files

The following is a list of known constants with a precision of 16 digits. For more digits, click on the individual entries.

If you would like more information on these constants, please refer to the list (classified by subject area) at the end of the page.

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1.002008392826082 Zeta(9)
1.008349277381922 Zeta(7)
1.030345524216210 exp(Pi)/Pi^E
1.034653881897438 one of Hadamard-La-Vallee-Poussin constant
1.036927755143369 Zeta(5)
.1076539192264845 one-ninth constant
1.082323233711138 Zeta(4)
1.098612288668109 log(3)
1.098641964394156 The Paris constant
1.098685805525187 Lengyel constant
1.144729885849400 log(Pi)
0.114942044853296 Product(cos(Pi/n),n=3..infinity)
1.128787029908125 Gamma(5/6)
1.175201193643801 Sinh(1)
1.176280818259917 smallest known Salem number
1.189207115002721 sqrt(sqrt(2))
1.199678640257733 solution of exp(x)(x-1) = exp(-x)(x+1)
1.202056903159594 Zeta(3)
1.225416702465177 GAMMA(3/4)
1.226742010720353 Fibonacci factorial constant
.1234567891011121 Champernowne number
1.259921049894873 2^1/3
1.261859507142914 log(4)/log(3)
1.282427129100622 Glaisher-Kinkelin constant
1.291285997062663 sum(1/n^n,n=1..inf)
1.296210659593309 A Salem number of degree 38
1.303577269034296 Conway constant
1.324717957244746 Smallest Pisot-Vijayaraghavan number
1.354117939426400 GAMMA(2/3)
1.395485972479302 Hard hexagons constant
1.414213562373095 sqrt(2)
1.442249570307408 3^1/3

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1.442695040888963 $\frac{1}{\log(2)}$
 1.444667861009766 $e^{1/e}$
 1.456074948582689 Backhouse constant
 1.461632144968362 Minimal x of GAMMA(x)
 1.467078079433975 Porter's constant
 .1475836176504332 $\arctan(1/2)/\Pi$
 15.15426224147926 $\text{Exp}(E)$
 1.543080634815243 $\text{Cosh}(1)$
 1.584962500721156 $\frac{\log(3)}{\log(2)}$
 1.609437912434100 $\log(5)$
 1.618033988749894 Golden ratio= $(1+\sqrt{5})/2 = \phi$
 1.628160129718917 a Flajolet constant
 1.644934066848226 $\text{Zeta}(2)$
 1.732050807568877 $\sqrt[3]{3}$
 1.745405662407346 Khintchine Harmonic Constant
 1.747564594633182 Madelung constant
 1.763222834351896 $\frac{1}{W(1)}$
 1.781072417990197 $\exp(\gamma)$
 1.782213978191369 Grothendieck majorant
 1.837877066409345 $\log(2\Pi)$
 1.839286755214161 Tribonacci Constant
 1.851937051982466 Gibbs constant : Si(Pi)
 .1923155168211845 γ^{**3}
 .1945280494653251 Dubois-Raymond 2nd constant
 19.99909997918947 $\exp(\Pi)-\Pi$
 2.078086921235027 $\frac{1}{\log(\phi)}$
 .2078795763507619 $\exp(-\Pi/2)$
 .2078862249773545 $-\text{Zeta}(-1/2)$
 2.193280050738015 $\exp(\Pi/4)$
 2.236067977499789 $\sqrt{5}$
 .2245172519832320 γ^{**E}
 22.45915771836104 Π^{**e}
 2.302566137163630 a Flajolet constant
 2.302585092994045 $\log(10)$
 23.14069263277926 $\exp(\Pi)$
 .2357111317192329 Copeland-Erdos constant (prime numbers)
 2.428189792098870 $\text{product}(1+1/n^{**3}, n=1..infinity)$
 2.449489742783178 $\sqrt{6}$
 2.502907875095892 Feigenbaum alpha constant
 0.258819403792806 $-\text{Ai}'(0)$ or $3^{**(-1/3)}/\text{Gamma}(1/3)$
 0.261497212847642 Hadamard-de-la-Vallee-Poussin constant
 2.622057554292119 Lemniscate constant or Gauss constant
 2.645751311064590 $\sqrt{7}$
 2625374126407687 Ramanujan number : $\exp(\Pi\sqrt{163})$
 2.665144142690225 Gelfond-Schneider number : $2^{**\sqrt{2}}$
 2.678938534707747 $\text{GAMMA}(1/3)$
 2.685452001065306 Khintchine constant
 2.718281828459045 $\exp(1)$
 2.720699046351326 $\Pi/2\sqrt{3}$
 2.807770242028519 Fransen-Robinson constant
 .2801694990238691 Bernstein constant
 2.82842712474619 $\sqrt{8}$
 .3010299956639811 $\text{LOG10}(2)$
 .3036630028987326 Gauss-Kuzmin-Wirsing
 .3039635509270133 $3/(\Pi^{**2})$
 3.141592653589793 Π
 3.162277660168379 $\sqrt{10}$
 .3183098861837906 $1/\Pi$
 3.275822918721811 Levy constant
 .3331779238077186 γ^{**2}
 0.353236371854995 Hafner-Sarnak-McCurley Constant

0.355028053887817 Ai(0) or $3^{**}(-2/3)/\Gamma(2/3)$
 3.625609908221908 $\Gamma(1/4)$
 .3665129205816643 $-\log(\log(2))$
 .3678794411714423 $1/e$
 .3725074107813666 Real root of $Ei(x)$
 .3739558136192022 Artin constant
 .3920728981459733 $1-6/(\pi^*\pi)$
 3.922646139209151 $-\zeta(1,1/2)$
 .3989422804014326 $1/\sqrt{2\pi}$
 .4124540336401075 The Thue-Morse constant
 .4146825098511116 Prime numbers coded in binary
 .4342944819032518 $1/\log(10)$
 .4636476090008061 $\arctan(1/2)$
 4.669201609102990 Feigenbaum constant
 .4749493799879206 Weierstrass constant
 .4804530139182014 $\log(2)*\log(2)$
 .4812118250596034 $\log(\phi)$
 .5403023058681397 $\cos(1)$
 .5495393129816448 $-\log(\gamma)$
 5.566316001780235 $\Gamma(1/6)$
 .5614594835668851 $\exp(-\gamma)$
 .5671432904097838 $W(1)$
 .5772156649015328 gamma or Euler constant
 .5819486593172907 2nd order Landau-Ramanujan Constant
 .5926327182016361 Lehmer constant
 .5963473623231940 $-\exp(1)*Ei(-1)$
 .6045997880780726 $\sum(1/n/binomial(2*n,n), n=1..infinity)$
 .6243299885435508 Golomb constant
 .6434105462883380 Cahen constant
 6.580885991017920 The Froda constant : $2^{**}e$
 0.06598803584531253 $\exp(-e)$
 .6601618158468695 Twin primes constant
 .6617071822671762 Robbin's constant
 .6922006275553463 $(1/e)^{(1/e)}$
 .6931471805599453 $\log(2)$
 .6977746579640079 $BesselI(1,2)/BesselI(0,2)$
 .7052301717918009 Sum of product of inverse of primes
 .7147827007912942 Traveling Salesman Constant
 .7363998587187150 $\sum(1/binomial(2*n,n), n=1..infinity)$
 7.389056098930650 $\exp(2)$
 .7475979202534114 parking constant or Renyi constant
 0.7642236535892206 Landau-Ramanujan constant
 .8116869215447793 a Flajolet constant
 .8164215090218931 $\sum(1/2^{**}(2^{**}n), n=0..inf)$
 .8414709848078965 $\sin(1)$
 .8472130847939790 A.G.M. of $(1,\sqrt{2})/2$
 .8660254037844386 $\sqrt{3}/2$
 .8711570464148937 a Flajolet constant
 .8856031944108887 minimal point of $\Gamma(x)$
 .9068996821171089 $\pi/(2\sqrt{3})$
 .9159655941772190 Catalan constant
 9.289025491920818 $1/(One-ninth constant)$
 .9375482543158437 $-\zeta'(2)$
 9.869604401089358 $\pi^*\pi$

Here are links to full explanations of each of these constants to the The Favorite Math Constants of Steven Finch at MathSoft Inc.

Well-known constants

- [Golden mean](#)
- [Natural logarithmic base](#)
- [Archimedes' constant](#)
- [Euler-Mascheroni constant](#)
- [Apéry's constant](#)
- [Catalan's constant, G](#)
- [Bloch-Landau constants](#)
- [Khintchine's constant](#)
- [Feigenbaum constants](#)
- [Masser-Gramain constant](#)
- [Madelung's constant](#)
- [Chaitin's constant](#)

Constants associated with Number Theory

- [Hardy-Littlewood constants](#)
- [Hadamard-de la Vallée Poussin constants](#)
- [Landau-Ramanujan constant](#)
- [Brun's constant](#)
- [Artin's constant](#)
- [Linnik's constant](#)
- [Hafner-Sarnak-McCurley constant](#)
- [Gauss-Kuzmin-Wirsing constant](#)
- [Stolarsky-Harborth constant](#)
- [Porter's constant](#)
- [Glaisher-Kinkelin constant](#)
- [Fransén-Robinson constant](#)
- [Alladi-Grinstead constant](#)
- [Niven's constant](#)
- [Backhouse's constant](#)
- [Mills' constant](#)
- [Stieltjes constants](#)
- [Liouville-Roth constants](#)
- [Erdős' reciprocal sum constants](#)
- [Abundant numbers density constant](#)
- [Cameron's sum-free set constants](#)
- [Euler totient function asymptotic constants](#)
- [Nielsen-Ramanujan constants](#)
- [Triple-Free set constant](#)
- [de Bruijn-Newman constant](#)

Constants associated with Analytic Inequalities

- [Shapiro's cyclic sum constant](#)
- [Carlson-Levin constants](#)
- [Landau-Kolmogorov constants](#)
- [Hilbert's constants](#)
- [Copson-de Bruijn constants](#)
- [Wirtinger-Sobolev isoperimetric constants](#)
- [Whitney-Mikhlin extension constants](#)

Constants associated with the Approximation of Functions

- [Wilbraham-Gibbs constant](#)
- [Lebesgue constants](#)
- [Favard constants](#)
- [Bernstein's constant](#)
- [The "one-ninth" constant](#)

Constants associated with Enumerating Discrete Structures

- [Abelian group enumeration constants](#)
- [Rényi's parking constants](#)
- [Golomb-Dickman constant](#)
- [Lengyel's constant](#)
- [Otter's tree enumeration constants](#)
- [Pólya's random walk constants](#)
- [Self-avoiding-walk connective constants](#)
- [Feller's coin tossing constants](#)
- [Hard square entropy constant](#)
- [Binary search tree constants](#)
- [Digital search tree constants](#)
- [Quadtrees constants](#)
- [Extreme value constants](#)
- [Random percolation constants](#)

Constants associated with Functional Iteration

- [Gauss' lemniscate constant](#)
- [Grossman's constant](#)
- [Plouffe's constant](#)
- [Lehmer's constant](#)
- [Iterated exponential constants](#)
- [Continued fraction constants](#)
- [Infinite product constants](#)
- [Quadratic recurrence constants](#)
- [Conway's constant](#)

Constants associated with Geometry

- [Geometric probability constants](#)
- [Hermite's constants](#)
- [Traveling salesman constants](#)
- [Moving sofa constant](#)
- [Beam detection constant](#)
- [Heilbronn triangle constants](#)
- [Magic geometric constants](#)





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