Engineering Functions in Excel

No.	Description	Excel Functions	Syntax
1	Returns the modified Bessel function In(x)	BESSELI	BESSELI(X, N)
2	Returns the Bessel function Jn(x)	BESSELJ	BESSELJ(X, N)
3	Returns the modified Bessel function Kn(x)	BESSELK	BESSELK(X, N)
4	Returns the Bessel function Yn(x)	BESSELY	BESSELY(X, N)
5	Converts a binary number to decimal	BIN2DEC	BIN2DEC(number)
6	Converts a binary number to hexadecimal	BIN2HEX	BIN2HEX(number, [places])
7	Converts a binary number to octal	BIN2OCT	BIN2OCT(number, [places])
8	Returns a 'Bitwise And' of two numbers	BITAND	BITAND(number1, number2)
9	Returns a value number shifted left by shift_amount bits	BITLSHIFT	BITLSHIFT(number, shift_amount)
10	Returns a bitwise OR of 2 numbers	BITOR	BITOR(number1, number2)
11	Returns a value number shifted right by shift_amount bits	BITRSHIFT	BITRSHIFT(number, shift_amount)
12	Returns a bitwise 'Exclusive Or' of two numbers	BITXOR	BITXOR(number1, number2)
13	Converts real and imaginary coefficients into a complex number	COMPLEX	COMPLEX(real_num, i_num, [suffix])
14	Converts a number from one measurement system to another	CONVERT	CONVERT(number,from_unit,to_unit)
15	Converts a decimal number to binary	DEC2BIN	DEC2BIN(number, [places])
16	Converts a decimal number to hexadecimal	DEC2HEX	DEC2HEX(number, [places])
17	Converts a decimal number to octal	DEC2OCT	DEC2OCT(number, [places])
18	Tests whether two values are equal	DELTA	DELTA(number1, [number2])
19	Returns the error function	ERF	ERF(lower_limit,[upper_limit])
20	Returns the error function	ERF.PRECISE	ERF.PRECISE(x)
21	Returns the complementary error function	ERFC	ERFC(x)
22	Returns the complementary ERF function integrated between x and infinity	ERFC.PRECISE	ERFC.PRECISE(x)
23	Tests whether a number is greater than a threshold value	GESTEP	GESTEP(number, [step])
24	Converts a hexadecimal number to binary	HEX2BIN	HEX2BIN(number, [places])
25	Converts a hexadecimal number to decimal	HEX2DEC	HEX2DEC(number)
26	Converts a hexadecimal number to octal	HEX2OCT	HEX2OCT(number, [places])
27	Returns the absolute value (modulus) of a complex number	IMABS	IMABS(inumber)
28	Returns the imaginary coefficient of a complex number	IMAGINARY	IMAGINARY(inumber)
29	Returns the argument theta, an angle expressed in radians	IMARGUMENT	IMARGUMENT(inumber)
30	Returns the complex conjugate of a complex number	IMCONJUGATE	IMCONJUGATE(inumber)
31	Returns the cosine of a complex number	IMCOS	IMCOS(inumber)
32	Returns the hyperbolic cosine of a complex number	IMCOSH	IMCOSH(inumber)
33	Returns the cotangent of a complex number	IMCOT	IMCOT(inumber)
34	Returns the cosecant of a complex number	IMCSC	IMCSC(inumber)
35	Returns the hyperbolic cosecant of a complex number	IMCSCH	IMCSCH(inumber)
36	Returns the quotient of two complex numbers	IMDIV	IMDIV(inumber1, inumber2)
37	Returns the exponential of a complex number	IMEXP	IMEXP(inumber)
38	Returns the natural logarithm of a complex number	IMLN	IMLN(inumber)
39	Returns the base-10 logarithm of a complex number	IMLOG10	IMLOG10(inumber)
40	Returns the base-2 logarithm of a complex number	IMLOG2	IMLOG2(inumber)
41	Returns a complex number raised to an integer power	IMPOWER	IMPOWER(inumber, number)
42	Returns the product of from 2 to 255 complex numbers	IMPRODUCT	IMPRODUCT(inumber1, [inumber2], ...)
43	Returns the real coefficient of a complex number	IMREAL	IMREAL(inumber)
44	Returns the secant of a complex number	IMSEC	IMSEC(inumber)
45	Returns the hyperbolic secant of a complex number	IMSECH	IMSECH(inumber)
46	Returns the sine of a complex number	IMSIN	IMSIN(inumber)
47	Returns the hyperbolic sine of a complex number	IMSINH	IMSINH(inumber)
48	Returns the square root of a complex number	IMSQRT	IMSQRT(inumber)
49	Returns the difference between two complex numbers	IMSUB	IMSUB(inumber1, inumber2)
50	Returns the sum of complex numbers	IMSUM	IMSUM(inumber1, [inumber2], ...)
51	Returns the tangent of a complex number	IMTAN	IMTAN(inumber)
52	Converts an octal number to binary	OCT2BIN	OCT2BIN(number, [places])
53	Converts an octal number to decimal	OCT2DEC	OCT2DEC(number)
54	Converts an octal number to hexadecimal	OCT2HEX	OCT2HEX(number, [places])

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