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Referência de matemática de JavaScript

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Objeto Matemático

O objeto Math permite que você execute tarefas matemáticas.

Math não é um construtor. Todas as propriedades / métodos do Math podem ser chamados usando o Math como um objeto, sem criá-lo:

```
var x = Math.PI;           // Returns PI
var y = Math.sqrt(16);    // Returns the square root of 16
```

Tente você mesmo "

Para obter um tutorial sobre o objeto Math, leia nosso [Tutorial de matemática de JavaScript](#) .

Propriedades do objeto matemático

Property	Description
E	Returns Euler's number (approx. 2.718)
LN2	Returns the natural logarithm of 2 (approx. 0.693)
LN10	Returns the natural logarithm of 10 (approx. 2.302)
LOG2E	Returns the base-2 logarithm of E (approx. 1.442)
LOG10E	Returns the base-10 logarithm of E (approx. 0.434)
PI	Returns PI (approx. 3.14)
SQRT1_2	Returns the square root of 1/2 (approx. 0.707)
SQRT2	Returns the square root of 2 (approx. 1.414)

Métodos de Objeto Matemático

Method	Description
abs(x).	Returns the absolute value of x
acos(x).	Returns the arccosine of x, in radians
acosh(x).	Returns the hyperbolic arccosine of x
asin(x).	Returns the arcsine of x, in radians
asinh(x).	Returns the hyperbolic arcsine of x
atan(x).	Returns the arctangent of x as a numeric value between -PI/2 and PI/2 radians
atan2(y, x).	Returns the arctangent of the quotient of its arguments
atanh(x).	Returns the hyperbolic arctangent of x
cbrt(x).	Returns the cubic root of x
ceil(x).	Returns x, rounded upwards to the nearest integer
clz32(x).	Returns the number of leading zeros in a 32-bit binary representation of x
cos(x).	Returns the cosine of x (x is in radians)
cosh(x).	Returns the hyperbolic cosine of x
exp(x).	Returns the value of E ^x
expm1(x).	Returns the value of E ^x minus 1
floor(x).	Returns x, rounded downwards to the nearest integer
fround(x).	Returns the nearest (32-bit single precision) float representation of a number
log(x).	Returns the natural logarithm of x
log10(x).	Returns the base-10 logarithm of x
log1p(x).	Returns the natural logarithm of 1 + x
log2(x).	Returns the base-2 logarithm of x
max(x ₁ ,y ₁ ,z ₁ ,...,n).	Returns the number with the highest value
min(x ₁ ,y ₁ ,z ₁ ,...,n).	Returns the number with the lowest value
pow(x,y).	Returns the value of x to the power of y
random().	Returns a random number between 0 and 1
round(x).	Rounds x to the nearest integer
sign(x).	Returns the sign of a number (checks whether it is positive, negative or zero)
sin(x).	Returns the sine of x (x is in radians)
sinh(x).	Returns the hyperbolic sine of x
sqrt(x).	Returns the square root of x
tan(x).	Returns the tangent of an angle
tanh(x).	Returns the hyperbolic tangent of a number
trunc(x).	Returns the integer part of a number (x)

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