

Node Math Items

Functions

ADD:

Add.

$$A + B.$$

SUBTRACT:

Subtract.

$$A - B.$$

MULTIPLY:

Multiply.

$$A * B.$$

DIVIDE:

Divide.

$$A / B.$$

MULTIPLY_ADD:

Multiply Add.

$$A * B + C.$$

POWER:

Power.

$$A \text{ power } B.$$

LOGARITHM:

Logarithm

$$\text{Logarithm } A \text{ base } B.$$

SQRT:

Square Root.

$$\text{Square root of } A.$$

INVERSE_SQRT:

Inverse Square Root.

$$1 / \text{Square root of } A.$$

ABSOLUTE:

Absolute.

$$\text{Magnitude of } A.$$

EXPONENT:

Exponent.

$$\exp(A).$$

Comparison

MINIMUM:

Minimum

$$\text{The minimum from } A \text{ and } B.$$

MAXIMUM:

Maximum

$$\text{The maximum from } A \text{ and } B.$$

The maximum from A and B.

LESS_THAN:

Less Than.

1 if $A < B$ else 0.

GREATER_THAN:

Greater Than.

1 if $A > B$ else 0.

SIGN:

Sign.

Returns the sign of A.

COMPARE:

Compare.

1 if $(A == B)$ within tolerance C else 0.

SMOOTH_MIN:

Smooth Minimum.

The minimum from A and B with smoothing C.

SMOOTH_MAX:

Smooth Maximum.

The maximum from A and B with smoothing C.

Rounding

ROUND:

Round.

Round A to the nearest integer. Round upward if the fraction part is 0.5.

FLOOR:

Floor.

The largest integer smaller than or equal A.

CEIL:

Ceil.

The smallest integer greater than or equal A.

TRUNC:

Truncate.

The integer part of A, removing fractional digits.

FRACT:

Fraction.

The fraction part of A.

MODULO:

Truncated Modulo.

The remainder of truncated division using $\text{fmod}(A,B)$.

FLOORED_MODULO:

Floored Modulo.

The remainder of floored division.

WRAP:

Wrap.

Wrap value to range, $\text{wrap}(A,B)$.

SNAP:

Snap.

Snap to increment, $\text{snap}(A,B)$.

PINGPONG:

Ping-Pong

Wraps a value and reverses every other cycle (A,B).

Trigonometric**SINE:**

Sine.

$\sin(A)$.

COSINE:

Cosine.

$\cos(A)$.

TANGENT:

Tangent.

$\tan(A)$.

ARCSINE:

Arcsine.

$\arcsin(A)$.

ARCCOSINE:

Arccosine.

$\arccos(A)$.

ARCTANGENT:

Arctangent.

$\arctan(A)$.

ARCTAN2:

Arctan2.

The signed angle $\arctan(A / B)$.

SINH:

Hyperbolic Sine.

$\sinh(A)$.

COSH:

Hyperbolic Cosine.

$\cosh(A)$.

TANH:

Hyperbolic Tangent.

$\tanh(A)$.

Conversion**RADIANS:**

To Radians.

Convert from degrees to radians.

DEGREES:

To Degrees.

Convert from radians to degrees.

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