pow()

[Math]

Description

Calculates the value of a number raised to a power. pow() can be used to raise a number to a fractional power. This is useful for generating exponential mapping of values or curves.

Syntax

pow(base, exponent)

Parameters

base: the number. Allowed data types: float.  
exponent: the power to which the base is raised. Allowed data types: float.

Returns

The result of the exponentiation. Data type: double.

Example Code

Calculate the value of x raised to the power of y:

z = pow(x, y);

See the ([fscale](http://arduino.cc/playground/Main/Fscale)) sketch for a more complex example of the use of pow().