

ANNOUNCEMENT

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Order of magnitude of number

version 1.1.0.0 (1.24 KB) by Ivar Eskerud Smith

Returns the order of magnitude of one or more numbers.



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Overview

Functions

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Returns the order of magnitude of one or more numbers. Works on arrays. You can also specify the number base.

%Ex:

order(1.2e-5) %returns -5

order(1) = 0

order(1.12344e8) %returns 8

%Specify base 2:

order(1.2*2^5,2) %returns 5

Cite As

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Requires

MATLAB

MATLAB Release Compatibility

Created with R2012a

Compatible with any release

Platform Compatibility

✓ Windows ✓ macOS ✓ Linux

Categories

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order(val, base)

```
function n = order( val, base )
%Order of magnitude of number for ;
%order(0.002) will return -3., orde
%Author Ivar Smith

if nargin < 2
   base = 10;
end
n = floor(log(abs(val))./log(base)</pre>
```

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