

ABS

ABS returns an absolute value of a numerical expression.

Syntax

ABS([NumExp](#))

Arguments

- [NumExp](#) is a numerical expression

Remarks

1. The absolute value of [NumExp](#) indicates its magnitude without regard to its sign.

Examples

ABS(a)

returns 3 whether a has value 3 or -3.

Example knowledgebases

Download

An example knowledgebase of this function can be downloaded [here](#).

Description

Input

A and B are dimensionless input values.

Relations

The number [NumExp](#) is given by the relation

$$\text{NumExp} = A + B$$

Our topgoal Absolute[NumExp](#) is given by the relation

$$\text{AbsoluteNumExp} = \text{ABS}(\text{NumExp})$$

Solution

For example, when putting A=-2 and B=-3 as input, the solution becomes

$$\text{AbsoluteNumExp} = 5$$

Quick links: [Functions overview](#) | [Attribute overview](#) | [Constants overview](#) | [Dimensions overview](#)