

How can I use the ASINH function in Excel to find the inverse hyperbolic sine of a given value?

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The ASINH function in Excel is a mathematical function that can be used to find the inverse hyperbolic sine of a given value. This function is useful in solving complex mathematical equations and can be applied in various fields such as engineering, finance, and statistics. To use the ASINH function, simply enter the value for which you want to find the inverse hyperbolic sine and the function will return the result. This can be done by typing "`=ASINH(value)`" in a cell or by using the function in a formula. The result will be given in radians, which can be converted to degrees if needed. The ASINH function is a powerful tool for performing advanced calculations in Excel and can be a valuable resource for data analysis and problem solving.

This article describes the formula syntax and usage of the **ASINH** function in Microsoft Excel.

Description

Returns the inverse hyperbolic sine of a number. The inverse hyperbolic sine is the value whose hyperbolic sine is number, so `ASINH(SINH(number))` equals number.

Syntax

`ASINH(number)`

The ASINH function syntax has the following arguments:

Number Required. Any real number.

Example

Copy the example data in the following table, and paste it in cell A1 of a new Excel worksheet. For formulas to show results, select them, press F2, and then press Enter. If you need to, you can adjust the column widths to see all the data.

Formula	Description	Result
<code>=ASINH(-2.5)</code>	Inverse hyperbolic sine of -2.5	-1.647231146
<code>=ASINH(10)</code>	Inverse hyperbolic sine of 10	2.99822295