

How do I use the IMCSCH function in Excel?

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The IMCSCH function in Excel is a mathematical function that calculates the hyperbolic cosecant of a given number. It is used to find the inverse of the hyperbolic sine function, and is often used in engineering, physics, and other scientific fields. To use the IMCSCH function, simply enter the desired number as the function's argument and press enter. The result will be displayed in the cell. This function can be used in various formulas and calculations within an Excel spreadsheet. It is important to note that the number used as the argument must be in radians, not degrees. This function can help simplify complex calculations and provide accurate results for hyperbolic functions.

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

Description

Returns the hyperbolic cosecant of a complex number in $x+yi$ or $x+yj$ text format.

Syntax

IMCSCH(inumber)

The IMCSCH function syntax has the following arguments.

Inumber Required. A complex number for which you want the hyperbolic cosecant.

Remarks

Use COMPLEX to convert real and imaginary coefficients into a complex number.

If inumber is a value that is not in the $x+yi$ or $x+yj$ text format, IMCSCH returns the #NUM! error value.

If inumber is a logical value, IMCSCH returns the #VALUE! error value.