

How can I use the IMAGINARY function in Excel to find the imaginary component of a complex number?

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The IMAGINARY function in Excel is a tool that allows users to find the imaginary component of a complex number. This function takes a complex number as its argument and returns the imaginary part of that number. By using the IMAGINARY function, users can easily separate the real and imaginary components of a complex number, which is useful for various mathematical and scientific calculations. To use this function, simply enter the complex number as the argument and the function will return the imaginary component. This tool is particularly helpful for users working with complex numbers in Excel, as it simplifies the process of finding and manipulating the imaginary component.

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

Description

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

Syntax

IMAGINARY(inumber)

The IMAGINARY function syntax has the following arguments:

Inumber Required. A complex number for which you want the imaginary coefficient.

Remarks

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