How can I use the IMSUM function in Excel to sum complex numbers?

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The IMSUM function is a powerful tool in Excel that allows users to easily sum complex numbers. This function takes into account both the real and imaginary parts of a complex number and adds them together to provide a single complex number as the result. To use the IMSUM function, simply select the range of cells that contain the complex numbers and enter the function "=IMSUM" into the formula bar. This will automatically calculate the sum of the complex numbers and display the result. The IMSUM function is particularly useful for users who need to perform complex calculations involving multiple complex numbers in Excel.

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

Description

Returns the sum of two or more complex numbers in x + yi or x + yj text format.

Syntax

IMSUM(inumber1, , ...)

The IMSUM function syntax has the following arguments:

Inumber1, , ... Inumber1 is required, subsequent numbers are not. 1 to 255 complex numbers to add.

Remarks

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

The sum of two complex numbers is:

$$(a+bi)+(c+di)=(a+c)+(b+d)i$$