

How do I use the IMSUM function in Google Sheets?

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The IMSUM function in Google Sheets is used to find the sum of complex numbers in a given range. To use this function, the user must first select the cell where they want the result to be displayed. Then, they can enter the function in the formula bar using the format "`=IMSUM(range)`", where "range" refers to the cells containing the complex numbers. The function will then calculate the sum and display the result in the selected cell. The IMSUM function is helpful for performing mathematical operations on complex numbers in a spreadsheet.

IMSUM

Returns the sum of a series of complex numbers or cells or both.

Sample Usage

```
IMSUM(A2:A100)
```

```
IMSUM("1+2i", 3, "4i")
```

```
IMSUM("1+2i", "3+5i", A2:A50)
```

Syntax

```
IMSUM(value1, )
```

`value1` - The first complex number or range to add together. `value2, ...` - More complex numbers or ranges to add to `value1`.

Notes

The sum of two complex numbers is defined as follows:

$(a+bi) + (c+di) = (a+c) + (b+d)i$ You can sum complex numbers only if they have the same suffix (i or j). For example, you can't do `IMSUM("4+3i", "1+2j")`.

See also

COMPLEX: The COMPLEX function creates a complex number, given real and imaginary coefficients. **IMREAL**: Returns the real coefficient of a complex number. **IMAGINARY**: Returns the imaginary coefficient of a complex number. **IMSUB**: Returns the difference between two complex numbers. **IMPRODUCT**: Returns the result of multiplying a series of complex numbers together.

Examples

1	A	B
2	Formula	Result
3	=IMSUM("1+2i", "3+4i")	4+6i
4	=IMSUM("20+5j", 4, "j")	24+6j
5	=IMSUM(COMPLEX(2, 5), COMPLEX(4, 2))	6+7i

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