#### IMLOG10

[Syntax](Syntax.docx):

IMLOG10 ( complex-number )

Description: Computes the base-10 logarithm of complex-number.

Mathematical Formula:

The common logarithm of a complex number can be calculated from the natural logarithm as follows:

Equation

Arguments:

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| complex-number | [text](text.docx) | The complex number for which the base-10 logarithm is being computed. complex-number shall be in x + yi or x + yj text format. |

Return Type and Value: text – The base-10 logarithm of complex-number, in x+yi or x+yj text format.

However, if complex-number is ill-formed, #NUM! is returned.

[Example:  
  
IMLOG10("3+4i") results in 10.698970004336019+0.402719196273373i  
IMLOG10("-2.5-34.6j") results in 11.54020680801806-0.713513398623614j  
  
end example]