#### IMEXP

[Syntax](Syntax.docx):

IMEXP ( complex-number )

Description: Computes the exponential of the complex number complex-number.

Mathematical Formula:



Arguments:

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

Return Type and Value: text – A string containing the exponential of complex-number, in x+yi or x+yj text format.

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

[Example:

IMEXP("2.3+4.5i") results in -2.10251576423113-9.75006374866818i
IMEXP("-1-4j") results in -0.240462049968584+0.278412079051034j

end example]