#### FACTDOUBLE

[Syntax](Syntax.docx):

FACTDOUBLE ( [n](n.docx) )

Description: Computes the double factorial of [n](n.docx).

Mathematical Formula:

If [n](n.docx) [is](is.docx) even:



If [n](n.docx) [is](is.docx) odd:



Arguments:

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| [n](n.docx) | number | The non-negative value whose double factorial is to be computed. [n](n.docx) is truncated to an integer. |

Return Type and Value: number – The double factorial of [n](n.docx).

However, if

* [n](n.docx) is negative, #NUM! is returned.
* [n](n.docx) is too large for the result to be representable, #NUM! is returned.

[Example:

FACTDOUBLE(5) results in 15
FACTDOUBLE (3.5) results in 3
FACTDOUBLE (0) results in 1

end example]