#### ATANH

[Syntax](Syntax.docx):

ATANH ( [x](x.docx) )

Description: Computes the inverse hyperbolic tangent of x.

Arguments:

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| [x](x.docx) | number | The value whose inverse hyperbolic tangent is to be determined. |

Return Type and Value: number – The inverse hyperbolic tangent of x.

However, if x is outside the interval [-1,+1], #NUM! is returned.

[Example:

ATANH(-0.999999) results in -7.254328619
ATANH(0) results in 0
ATANH(0.999999) results in 7.254328619

end example]