

How do I use the ATANH function in Google Sheets?

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The ATANH function in Google Sheets is a mathematical function that calculates the inverse hyperbolic tangent of a given number. This function is useful for finding the angle or slope of a curve. To use the ATANH function, simply input the desired number into the function and the result will be returned. This function is particularly helpful for solving complex trigonometric equations and analyzing data in a spreadsheet. It can be accessed through the "Insert Function" option in Google Sheets and can be applied to any cell or range of cells. Using the ATANH function can greatly simplify mathematical calculations and improve accuracy in data analysis.

ATANH

The ATANH function returns the inverse hyperbolic tangent of a number.

Sample Usage

```
ATANH(0.9)
```

```
ATANH(A1)
```

Syntax

```
ATANH(value)
```

value - The value for which to calculate the inverse hyperbolic tangent. Must be between -1 and 1, *exclusive*.

Notes

Google Sheets does not support imaginary or complex numbers, so these are not valid inputs or outputs from hyperbolic functions.

See Also

TANH: The TANH function returns the hyperbolic tangent of any real number.

TAN: The TAN function returns the tangent of an angle provided in radians.

SINH: The SINH function returns the hyperbolic sine of any real number.

SIN: The SIN function returns the sine of an angle provided in radians.

RADIANS: The RADIANS function converts an angle value in degrees to radians.

PI: The PI function returns the value of pi to 9 decimal places.

DEGREES: The DEGREES function converts an angle value in radians to degrees.

COSH: The COSH function returns the hyperbolic cosine of any real number.

COS: The COS function returns the cosine of an angle provided in radians.

ATAN2: The ATAN2 function returns the angle between the x-axis and a line segment from the origin (0,0) to the specified coordinate pair (x , y), in radians.

ATAN: The ATAN function returns the inverse tangent of a value in radians.

ASINH: The ASINH function returns the inverse hyperbolic sine of a number.

ASIN: The ASIN function returns the inverse sine of a value in radians.

ACOSH: The ACOSH function returns the inverse hyperbolic cosine of a number.

ACOS: The ACOS function returns the inverse cosine of a value in radians.

Examples