

How can I use the TANH function in Google Sheets?

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The TANH function is a mathematical function available in Google Sheets that calculates the hyperbolic tangent of a given value. This function is useful for analyzing data sets and can be used to determine the growth rate of a variable over time. To use the TANH function in Google Sheets, simply enter the function along with the desired value as an argument. This will return the hyperbolic tangent of the value, allowing for further analysis and interpretation of the data. By utilizing the TANH function, users can easily analyze and manipulate numerical data in Google Sheets for a variety of purposes.

TANH

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

Sample Usage

`TANH(A2)`

`TANH(1)`

Syntax

`TANH(value)`

`value` - Any real value to calculate the hyperbolic tangent of.

Notes

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

See Also

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.

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

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