. How can I use the ASINH function in Google Sheets?

Authored by

stats writer

June 30, 2024

The ASINH function is a mathematical function available in Google Sheets that calculates the inverse hyperbolic sine of a given value. It can be used to find the value of x in the equation "sinh(x) = y", where y is the input value. This function can be useful for analyzing data and performing calculations in various fields, such as finance, statistics, and engineering. To use the ASINH function in Google Sheets, simply input the desired value in the formula bar and press enter. The result will be displayed in the cell where the formula was entered.

ASINH

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

Sample Usage

`ASINH(0.9)`

`ASINH(A1)`

Syntax

`ASINH(value)`

`value` - The value for which to calculate the inverse hyperbolic sine.

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.

`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.

`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