

? How can I use the ATAN function in Google Sheets?

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PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=160492>

The ATAN function in Google Sheets is a mathematical function that calculates the arctangent of a given value. It takes one argument, which can be a number or a reference to a cell containing a number, and returns the arctangent in radians. This function is useful for trigonometric calculations and can be used in various applications such as finding angles or solving equations. To use the ATAN function in Google Sheets, simply enter the function name followed by the value or cell reference within the parentheses. This function is a powerful tool for performing complex calculations in Google Sheets.

ATAN

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

Sample Usage

ATAN(0)

ATAN(A2)

ATAN(1)

Syntax

ATAN(value)

value - The value for which to calculate the inverse tangent.

Notes

Use the DEGREES function to convert the result of ATAN into degrees.

Tangent is periodic, therefore there are many solutions to the inverse. ATAN returns the solution between $-\pi/2$ and $\pi/2$.

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.

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