? How can I use the ATAN2 function in Google Sheets?

Authored by

stats writer

June 30, 2024

ARABPSYCHOLOGY.COM

RECOMMENDED CITATION

stats writer (2024). *? How can I use the ATAN2 function in Google Sheets?*. PSYCHOLOGICAL SCALES. Retrieved from https://scales.arabpsychology.com/?p=160517

The ATAN2 function is a mathematical function in Google Sheets that allows users to calculate the arctangent of a given set of coordinates. It can be used to determine the angle between a line and the x-axis, or the angle between two points on a plane. This function is especially useful in geometry and trigonometry applications. To use the ATAN2 function in Google Sheets, simply input the coordinates into the function and it will return the corresponding angle in radians. This powerful tool can assist in various calculation tasks, making it a valuable feature in Google Sheets.

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.

Sample Usage

`ATAN2(4,3)`

`ATAN2(A2)`

Syntax

`ATAN2(x,y)`

`x` - The x coordinate of the endpoint of the line segment for which to calculate the angle from the x-axis.

`y` - The y coordinate of the endpoint of the line segment for which to calculate the angle from the x-axis.

Notes

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

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.

ARABPSYCHOLOGY.COM

`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.

`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

ARABPSYCHOLOGY.COM