How do I use the ACOT function in Google Sheets?

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The ACOT function in Google Sheets is a mathematical function that calculates the arccotangent of a given number. To use this function, you must first select the cell where you want the result to appear. Then, type the equal sign followed by "ACOT(" and enter the number or cell reference for which you want to find the arccotangent. Finally, close the bracket and press enter. The result will appear in the selected cell. This function can be useful for various mathematical calculations, such as finding the angle of a right triangle.

ACOT function

The ACOT function returns the inverse cotangent of a value in radians.

Parts of an ACOT function

`ACOT(value)`

Part	Description	Notes
`value`	The value for which to calculate the inverse cotangent.	Values must be a number.

Sample formulas

`ACOT(0)`

`ACOT(-1)`

`ACOT(A1)`

Notes

ACOT returns results that are between 0 and π (pi).ACOT is sometimes written as "arccot" or "cot-1(x)" in mathematics or other programs.Use the DEGREES function to convert the result of ACOT from radians to degrees.

Examples

This example shows the inverse cotangent of numbers in radians:

	A	B
1	**Formula**	**Result**
2	=ACOT(4)	0.2449786631

3	=ACOT(-4)	-0.2449786631
4	=ACOT(0)	1.570796327

This example shows the inverse cotangent of numbers converted to degrees:

	A	**B**	**C**
1	**Data**	**Formula**	**Result**
2	4	=DEGREES(ACOT(A2))	14.03624347
3	-4	=DEGREES(ACOT(A3))	-14.03624347
4	0	=DEGREES(ACOT(A4))	90

Related functions

ACOTH: The ACOTH function returns the inverse hyperbolic cotangent of a value in radians.COT: The COT function returns the cotangent of an angle provided in radians.COTH: The COTH function returns the hyperbolic cotangent of any real number.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.DEGREES: The DEGREES function converts an angle value in radians to degrees.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.