

How do I use the ATAN function in Excel?

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The ATAN function in Excel is used to calculate the arctangent of a given angle. To use this function, you can follow these steps:

1. Select the cell where you want the result to appear.
2. Type "=ATAN(" in the cell.
3. Enter the reference of the cell containing the angle whose arctangent you want to calculate, or manually enter the angle in radians within the parentheses.
4. Close the parentheses and press Enter.
5. The result will be displayed in the selected cell.

Alternatively, you can use the ATAN function in a formula by specifying the angle directly, such as "=ATAN(0.5)". It is important to note that the result of the ATAN function is returned in radians, so you may need to convert it to degrees if necessary.

In summary, the ATAN function in Excel is a useful tool for calculating the arctangent of an angle and can be used in both cell references and formulas.

This article describes the formula syntax and usage of the **ATAN** function in Microsoft Excel.

Description

Returns the arctangent, or inverse tangent, of a number. The arctangent is the angle whose tangent is number. The returned angle is given in radians in the range $-\pi/2$ to $\pi/2$.

Syntax

ATAN(number)

The ATAN function syntax has the following arguments:

Number Required. The tangent of the angle you want.

Remark

To express the arctangent in degrees, multiply the result by $180/\pi$ () or use the DEGREES function.