

How can I use the ASIN function in Excel to calculate the inverse sine of a given value?

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June 28, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I use the ASIN function in Excel to calculate the inverse sine of a given value?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=156783>

The ASIN function in Excel is a mathematical function that allows you to calculate the inverse sine of a given value. This function is useful for finding the angle whose sine is equal to a specified value. To use the ASIN function, simply enter the value for which you want to calculate the inverse sine and the function will return the corresponding angle in radians. This can be helpful in various applications, such as calculating angles in geometry or solving trigonometric equations. By using the ASIN function in Excel, you can easily and accurately calculate the inverse sine of any given value.

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

Description

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

Syntax

ASIN(number)

The ASIN function syntax has the following arguments:

Number Required. The sine of the angle you want and must be from -1 to 1.

Remark

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