

ACos

Description

Arccosine function. The arccosine is the angle whose cosine is number.

Category

Mathematical

Implemented

Usage Syntax

`ACos(number)`

The range of the result is 0 to π .

To convert degrees to radians, multiply degrees by $\pi/180$. To convert radians to degrees, multiply radians by $180/\pi$.

Return Information

Return Type Return Description

number The arccosine, in radians, of a number.

Arguments

Name Type Required Position Default Description

Name	Type	Required	Position	Default	Description
number	number	Yes	1	N/A	Cosine of an angle. The value must be between -1.0 and 1.0, inclusive.

Example Usage

ACos Example

```
<--- Output the arccosine value. --->
IsDefined("FORM.CosNum")>
    IsNumeric(FORM.CosNum)>
        Abs(FORM.CosNum) LESS THAN OR EQUAL TO 1>
            ACos(#FORM.CosNum#) = #ACos(FORM.cosNum)# Radians

or

            ACos(#FORM.CosNum#) = #ACos(FORM.cosNum) * 180/PI()#

<--- If it is empty, output an error message. --->
```

Enter a number between -1 and 1


```
method="post" action = "acos.cfm">
```

Enter a number to get its arccosine in Radians and Degrees.

```
 type = "Text" name = "cosNum" size = "25">
```

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