

ARCCOS

Calculates the arc cosine of a value.

Syntax

```
Result = SRP_Math("ARCCOS", Value, "", DecimalPlaces, ScientificNotation)
```

Returns

The arc cosine of *Value*.

Remarks

The ARCCOS operation computes the arc cosine of Value. Value must be in the range 1 *value* 1, else the following error is returned:

```
"ERROR: Value must be in range: 1 <= Value <= 1."
```

The angle returned is in the range 0 *result*

Example

```
// Calculate the arc cosine
Val = "0.69314718055994530941723212145817"
Result = SRP_Math("ARCCOS", Val)
!! Result = 0.804950131975816403786926974489992 !!
```

```
// Attempting to calculate the arc cosine of PI results in an error
Val = "3.1415926535897932384626433832795"
Result = SRP_Math("ARCCOS", Val)
!! Result = "ERROR: Value must be in range: 1 <= Value <= 1." !!
```