

ARCCOSH

Calculates the hyperbolic arc cosine of a value.

Syntax

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

Returns

The hyperbolic arc cosine of *Value*.

Remarks

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

```
"ERROR: Value must be >= 1."
```

The result is in the range 0 *result*

Example

```
// Calculate the hyperbolic arc cosine of PI
Val = "3.1415926535897932384626433832795"
Result = SRP_Math("ARCCOSH", Val)
!! Result = 1.81152627246085310702185204930542 !!
```

```
// Attempting to calculate the hyperbolic arc cosine of Log2 results in an error
Val = "0.69314718055994530941723212145817"
Result = SRP_Math("ARCCOSH", Val)
!! Result = "ERROR: Value must be >= 1." !!
```