

ARCSIN

Calculates the arc sine of a value.

Syntax

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

Returns

The arc sine of *Value*.

Remarks

The ARCSIN operation computes the arc cosine of Value. Value must be in the range $-1 \leq \text{value} \leq 1$, else the following error is returned:

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

The angle returned is in the range $-\pi/2 \leq \text{result} \leq \pi/2$

Example

```
// Calculate the arc sine of Log2
Val = "0.69314718055994530941723212145817"
Result = SRP_Math("ARCSIN", Val)
! Result = 0.765846194819080215444394717149759 !!
```

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