

ARCTAN

Calculates the arc tangent of a value.

Syntax

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

Returns

The arc tangent of *Value*.

Remarks

The ARCTAN operation computes the arc tangent of *Value*. Value can be any number, so no error is generated for this operation.

The angle returned is in the range $/2$ *result* $/2$

Example

```
// Calculate the arc tangent of Log2
Val = "0.69314718055994530941723212145817"
Result = SRP_Math("ARCTAN", Val)
!! Result = 0.606111934732855002385988269576687 !!
```

```
// Calculate the arc tangent of PI
Val = "3.1415926535897932384626433832795"
Result = SRP_Math("ARCTAN", Val)
!! Result = 1.2626272556789116834443220836057 !!
```