

# TANH

Calculates the hyperbolic tangent of a value.

## Syntax

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

## Returns

The hyperbolic tangent of *Value*.

## Remarks

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

The result is in the range  $1 < result < 1$

## Example

```
// Calculate the hyperbolic tangent of Log2
Val = "0.227064512498507649434129923403947"
Result = SRP_Math("TANH", Val)
!! Result = 0.2232409939426686718165667585094024 !!
```

```
// Calculate the hyperbolic tangent of PI
Val = "3.1415926535897932384626433832795"
Result = SRP_Math("TANH", Val)
!! Result = 0.996272076220749944264690580012537 !!
```