

JAVASCRIPT MATH - ATAN METHOD

http://www.tutorialspoint.com/javascript/math_atan.htm

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Description

This method returns the arctangent in radians of a number. The atan method returns a numeric value between $-\pi/2$ and $\pi/2$ radians.

Syntax

Its syntax is as follows –

```
Math.atan( x ) ;
```

Parameter Details

x – A number.

Return Value

Returns the arctangent in radians of a number.

Example

Try the following example program.

```
<html>

<head>
  <title>JavaScript Math atan() Method</title>
</head>

<body>

  <script type="text/javascript">
    var value = Math.atan(-1);
    document.write("First Test Value : " + value );

    var value = Math.atan(.5);
    document.write("<br />Second Test Value : " + value );

    value = Math.atan(30);
    document.write("<br />Third Test Value : " + value );

    var value = Math.atan("string");
    document.write("<br />Fourth Test Value : " + value );
  </script>

</body>
</html>
```

Output

```
First Test Value : -0.7853981633974483
Second Test Value : 0.4636476090008061
Third Test Value : 1.5374753309166493
Fourth Test Value : NaN
```