

JAVA - ATAN2() METHOD

http://www.tutorialspoint.com/java/number_atan2.htm

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Description:

The method Converts rectangular coordinates (x, y) to polar coordinate (r, theta) and returns theta.

Syntax:

```
double atan2(double y, double x)
```

Parameters:

Here is the detail of parameters:

- **X** -- X co-ordinate in double data type
- **Y** -- Y co-ordinate in double data type

Return Value:

- This method Returns theta from polar coordinate (r, theta)

Example:

```
public class Test{  
  
    public static void main(String args[]){  
        double x = 45.0;  
        double y = 30.0;  
  
        System.out.println( Math.atan2(x, y) );  
    }  
}
```

This produces the following result:

```
0.982793723247329
```