

```
>> help atan
```

```
ATAN    Inverse tangent, result in radians.
```

```
ATAN(X) is the arctangent of the elements of X.
```

```
See also atan2, tan, atand.
```

```
Overloaded methods:
```

```
distributed/atan
```

```
Reference page in Help browser
```

```
doc atan
```

```
>> help atan2
```

```
ATAN2   Four quadrant inverse tangent.
```

```
ATAN2(Y,X) is the four quadrant arctangent of the real parts of the  
elements of X and Y.  -pi <= ATAN2(Y,X) <= pi.
```

```
See also atan.
```

```
Overloaded methods:
```

```
distributed/atan2
```

```
Reference page in Help browser
```

```
doc atan2
```

```
>> a = [2,-2,-2,2];
```

```
>> b = [5,5,-5,-5];
```

```
>> atan(a./b)
```

```
ans =
```

```
0.3805    -0.3805    0.3805    -0.3805
```

```
>> atan2(a,b)
```

```
ans =
```

```
0.3805    -0.3805   -2.7611    2.7611
```

```
>>
```