**arg**

*Function of getting argument of complex number.*

**Syntax:**

*y* **= arg***(x);*

**Arguments:**

*x* – input value of complex number.

**Description:**

*arg(x)* – function of getting argument of complex numberx. **The angle value formed on the complex plane by** a vector determined by the complex number with a real axis is understood as an argument of the complex number.

The input value *x* can be assigned:

* as a variable of complex number type:

*y* = **arg**(*x*);

* as a constant complex number:

*y* = **arg**(3+4i);

**Result:**

*y* – complex number argument. Real number.

**Example:**

|  |  |
| --- | --- |
|  | y = **arg**(3+4i); |

As a result, variable *y* will be assigned a value 0.92729522.