**randgamma**

*Function of noise generation with Gamma-distribution of preassigned order.*

**Syntax:**

*y* = **randgamma**(p)*;*

**Arguments:**

*p* – input value, distribution order.

**Description:**

*randgamma(p)* – function returns a random number generated with Gamma-distribution of order *p*.

**Result:**

*y* – output value, a random number generated with Gamma-distribution.

**Example:**

|  |  |
| --- | --- |
|  | **var** t:**array** = 10#0; //10-element array  **for**(i=1, 10)  t[i] = **randgamma**(5); //let us fill the array with random  //numbers |

As a result values of the array [2.3628391 , 7.0827214 , 8.6338928 , 3.004949 , 5.6952188 , 1.4490291 , 5.2120766 , 7.7474082 , 5.3313184 , 2.2729491] that are random values with Gamma-distribution of order 5 will be assigned to variable *t*. Values of the array will be filled in random fashion on every step of the program.