**gammq**

*Incomplete upper Gamma-function.*

**Syntax:**

*y* **= gammq***(a, x);*

**Arguments:**

*a* – function argument.

*x* – function argument.

**Description:**

Incomplete upper Gamma-function *Q*(*a*,*x*) is set by the relation:

,

where *Г*(*a*) is Complete Gamma-function, *P*(a,x) is incomplete Gama-function.

Function calculates the incomplete upper Gamma-function from arguments *a* and *x*. Matrixes and vectors can be arguments; their dimension shall be the same.

**Result:**

*y* – value of the incomplete upper Gamma-function from arguments *a* and *x*.