**gammln**

*Logarithm of complete Gamma-function.*

**Syntax:**

*y* **= gammln***(x);*

**Arguments:**

*x* – function argument.

**Description:**

Complete Gamma-function is a function expanding the notion of factorial on the field of complex numbers.

Function calculates the logarithmof the complete Gamma-function from argument *x*.

**gammln**(x) = **ln**(**gamma**(x)).

Argument x shall be a positive real number, vector or matrix.

**Result:**

*y* – value of the logarithm of complete Gamma-function from argument *x*.