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abs() — Absolute value (length)

Description Syntax Conformability Diagnostics Also see

Description

For Z real, abs (Z) returns the elementwise absolute values of Z.

For Z complex, abs(Z) returns the elementwise length of each element. If Z = a + bi, returned is $sqrt(a^2 + b^2)$, although the calculation is not made in that way. The method actually used prevents overflow.

Syntax

real matrix abs (numeric matrix Z)

Conformability

abs(Z):

Z: $r \times c$ result: $r \times c$

Diagnostics

abs(.) returns . (missing).

Also see

[M-4] Scalar — Scalar mathematical functions

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