

isrealvalues() — Whether matrix contains only real values

[Description](#)
[Diagnostics](#)

[Syntax](#)
[Also see](#)

[Remarks and examples](#)

[Conformability](#)

Description

`isrealvalues(X)` returns 1 if X is of storage type real or if X is of storage type complex and all elements are real or missing; 0 is returned otherwise.

Syntax

real scalar `isrealvalues(numeric matrix X)`

Remarks and examples

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`isrealvalues(X)` is logically equivalent to `X==Re(X)` but is significantly faster and requires less memory.

Conformability

`isrealvalues(X)`:

X: $r \times c$
result: 1×1

Diagnostics

`isrealvalues(X)` returns 1 if X is void and complex.

Also see

[M-5] [isreal\(\)](#) — Storage type of matrix

[M-4] [Utility](#) — Matrix utility functions