

<b>isrealvalues()</b> — Whether matrix contains only real values
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## Syntax

*real scalar* `isrealvalues(numeric matrix X)`

## 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.

## Remarks and examples

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`isrealvalues(X)` is logically equivalent to  $X==\text{Re}(X)$  but is significantly faster and requires less memory.

## Conformability

```
isrealvalues(X):
      X:      r × 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