isrealvalues() — Whether matrix contains only real values

### Syntax

```plaintext
title

Syntax Description Remarks and examples Conformability

#### 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

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

#### Conformability

isrealvalues(X):

<table>
<thead>
<tr>
<th>X:</th>
<th>r × c</th>
</tr>
</thead>
<tbody>
<tr>
<td>result:</td>
<td>1 × 1</td>
</tr>
</tbody>
</table>

#### 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