

Description

`diag0cnt(X)` returns the number of principal diagonal elements of *X* that are 0.

Syntax

real scalar `diag0cnt(real matrix X)`

Remarks and examples

`diag0cnt()` is often used after `invsym()` (see [M-5] [invsym\(\)](#)) to count the number of columns omitted because of collinearity.

Conformability

`diag0cnt(X):`

<i>X</i> :	$r \times c$
<i>result</i> :	1×1

Diagnostics

`diag0cnt(X)` returns 0 if *X* is void.

Also see

[M-5] [invsym\(\)](#) — Symmetric real matrix inversion

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

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