

diag0cnt() — Count zeros on diagonal[Description
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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

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

Conformability

`diag0cnt(X)`:

X: $r \times c$
result: 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