Title

diag0cnt() — Count zeros on diagonal

Syntax

real scalar diag0cnt(real matrix X)

Description

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

Remarks and examples

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

Conformability

diag0cnt(X):

\[
X: \quad r \times c \\
result: \quad 1 \times 1
\]

Diagnostics

diag0cnt(X) returns 0 if X is void.

Also see

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

[M-4] utility — Matrix utility functions