diag0cnt() — Count zeros on diagonal

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 dropped because of collinearity.

Conformability

    diag0cnt(X):
      X: r × 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