

mod() — Modulus

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Diagnostics

Description

$\text{mod}(x, y)$ returns the elementwise modulus of x with respect to y . $\text{mod}()$ is defined

$$\text{mod}(x, y) = x - y * \text{trunc}(x/y)$$

Syntax

real matrix $\text{mod}(\text{real matrix } x, \text{real matrix } y)$

Conformability

$\text{mod}(x, y)$:

x : $r_1 \times c_1$
 y : $r_2 \times c_2$, x and y r-conformable
result: $\max(r_1, r_2) \times \max(c_1, c_2)$ (elementwise calculation)

Diagnostics

$\text{mod}(x, y)$ returns missing when either argument is missing or when $y = 0$.

Also see

[M-4] [Scalar](#) — Scalar mathematical functions

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