mod( ) — Modulus

Description Syntax Conformability Diagnostics Also see

Description

`mod(`x`,` y`)` returns the elementwise modulus of x with respect to y. `mod()` is defined

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

Syntax

real matrix `mod(`*real matrix* x`,` *real matrix* y`)`

Conformability

`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

`mod(`x`,` y`)` returns missing when either argument is missing or when $y = 0$.

Also see

[M-4] **Scalar** — Scalar mathematical functions