Title

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mod() — Modulus

Syntax Description Conformability Diagnostics
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Syntax

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

Description

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

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

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