

mod() — Modulus[Description](#)
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Description

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

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

Syntax

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

Conformability

<code>mod(x, y):</code>	
<i>x:</i>	$r_1 \times c_1$
<i>y:</i>	$r_2 \times c_2$, x and y r-conformable
<i>result:</i>	$\max(r_1, r_2) \times \max(c_1, c_2)$ (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