mod() — Modulus

Description

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

\[ \text{mod}(x, y) = x - y \times \text{trunc}(x/y) \]

Syntax

\textit{real matrix} \ mod(\textit{real matrix} x, \textit{real matrix} y)

Conformability

\[ \text{mod}(x, y): \]

\[ x: \quad r_1 \times c_1 \]

\[ y: \quad r_2 \times c_2, \quad x \text{ and } y \text{ r-conformable} \]

\[ \text{result:} \quad \text{max}(r_1, r_2) \times \text{max}(c_1, c_2) \quad \text{(elementwise calculation)} \]

Diagnostics

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

Also see

[M-4] Scalar — Scalar mathematical functions