

e() — Unit vectors[Description](#)[Syntax](#)[Conformability](#)[Diagnostics](#)[Also see](#)

Description

$e(i, n)$ returns a $1 \times n$ unit vector, a vector with all elements equal to zero except for the i th, which is set to one.

Syntax

real rowvector $e(\text{real scalar } i, \text{real scalar } n)$

Conformability

$e(i, n)$:

<i>i</i> :	1×1
<i>n</i> :	1×1
<i>result</i> :	$1 \times n$

Diagnostics

$e(i, n)$ aborts with error if $n < 1$ or if $i < 1$ or if $i > n$. Arguments i and n are interpreted as `trunc(i)` and `trunc(n)`.

Also see

[M-4] **Standard** — Functions to create standard matrices