MATLAR DIERATIONS

Row vectors

Column vectors

Matrices

ELEMENTARY MATHS FUNCTIONS

- · sqrt (n)
- · nthroot (x, n)
- · exp(n)
- · abs(2) [Absolute value]
- · lug(2)
- · log 10(x)
- · factorial (2)
- · sin (x) } radiany
 bind (x) } degrees

Same for all trig functions.

· asin(n) { sin'(n)
asind(n) }

same for all inverse trig functions

- · round (x) rounds to nearest integer
- · fix (2) removes decimal frest
- · ceil (x) mounds up to nearest integer
- a lloss (a) day de day de massel i la massel

NOTE:

Command for cosec: CSC(x)

- · ceil (x) nounds up to nearest integer
- · floor (x) rounds down to nearest integer
- · rem(x,y) x % y

DATATYPES

- · Integer
- · Floating Point Numbers (Decimals)
- · Scalar
 - Includes integers, complex nos., floating point nos.
- · Character
 - single alphanumenic symbol enclosed in quotes
- · String
- · Array

geros (a, b) for -> returns gero axb matrix

ye () for -> returns axb identity matrix

> rand () for -> returns axb matrix w/ random

values b/w 0 and 1

trees () for -> returns axb matrix with only 1

Note:

LOGICAL OPERATORS

& - AND

1 - OR

~ - NOT