Input/Output commands

disp	Display contents of an array or string
fscanf	Read formatted data from a file
format	Control screen display format
fprintf	Performs formatted write to screen or file
input	Display prompt and wait for input
;	Supress the screen printing

Numeric Display Format

format short	Display decimal digit upto 4 decimal digit and this is by default
format long	Display decimal digit upto 14 decimal digits
format short e	Display 5 digit and exponent
format long e	Display decimal digit upto 14 decimal digit and and exponent
format bank	Display upto 2 decimal digits
format +	Display +ve or 0's values
format rat	Display rational approximation
format compact	Supress some line feeds
formal loose	Reset to less compact display mode

Commands for managing a session

Clc	Clear the command window
Clear	Clear the workspace memory
Exist	Checks for existence of file or variable
Global	Declares variables to be global
Help	Searches for a help topic
Quit	Stops the matlab
Who	List all the current variables
Whos	List all the current variables in long format

Special Variables and constants

Ans	Most recent answer
Eps	Accuracy of floating point precision
i,j	Imaginary unit root(-1)
Inf	Infinity
NaN	Not a Number
Pi	The number π

Operators and Special Characters

+	Addition
-	Subtraction
*****	Multiplication
.*	Array Multiplication
^	Exponential Power
.^	Array Exponential Power
****	Left Division
/	Right Division
.	Array of Left Division
./	Array of Right Division
:	Colon creates regular spaces element an entire row or column
()	Parenthesis
[]	Array enclosure
.	Decimal Point
…	Ellipsis
,	Separates the elements
;	Supress the display format
=	Assignment operator
_	Quote sign
._	Non-Conjugate transpose operator

System and file commands

delete	Deletes a file
date	Display date
diary	Document all the file records
load	Load the workspace variable from a file
path	Display search path
pwd	Display current directory
save	Saves the workspace variables in file
what	List all the MATLAB files in current directory
wklread	Reads .wkl spreadsheet file

Special Matrix Command for solving linear equations

det	Determinant of a matrix
inv	Inverse of a matrix
rank	Rank of a matrix
rref	Computes row echelon form
pinv	Computes pseudo inverse of matrix

Symbol in Plot

.	point
+	Plus
o	Circle
*	star
d	diamond
v	Triangle down
^	Triangle up
>	Right
<	Left
p	pentagram
h	Hexagram
-	Solid
:	Dotted
-.	Dash Dot
--	Dashed