MATLAB QUICK REFERENCE CARD

Frequently used MATLAB commands – Version v0.1 August 2014

Basic Commands and Functions

Clc	clears command window
clear	clears workspace
Diary	creates a copy of all commands and most results
exit	terminates MATLAB
help	invokes help utility
helpwin	invokes windowed help utility
length	length of a vector or maximum dimension of an array
size	display dimensions of a particular array
quite	terminates MATLAB
save	saves variables in a file
who	lists variables in memory
whos	lists variable names, sizes, and types in memory

Special Variables/Constants

ans	default variable for last calculation
eps	1
flops	count of oating point operations
Inf	infinity
NaNa	NaN
pi	the math pi (3.1415e)
realmax	largest real number MATLAB can represent
realmin	smallest real number MATLAB can represent
intmax	returns largest possible integer used in MATLAB
intmin	returns smallest possible integer used in MATLAB
clock	returns the time

date .... returns the date

Special Characters

[]	forms matrices
()	used in statements to group operations
.	decimal point
,!	separates subscripts or matrix elements
;	separates rows in a matrix definition or suppresses output
:	indicates all rows or all columns
=	assignment operator (not equality)
%	indicates a comment
%%	cell divider
+	addition
-	ubtraction
*	multiplication
.*	array multiplication
/	division
./	array division
^	exponential
.^	array exponential

Relational and Logical Operators

¡	less than
¡==	less than or equal to
¿	greater than
¿==	greater than or equal to
==	equal to
=	not equal to
&	and
!	or
~	not

Conditional Statements

if expression
statements
elseif expression
statements
else expression
statements
end