MATLAB QUICK REFERENCE CARD

Frequently used MATLAB commands - Version v0.1 August 2014

Basic Commands and Functions

Special Variables/Constants

ans most recent temporary answer			
eps accuracy of floating point precision			
\Rightarrow default: $2.2204e^{-16}$			
i imaginary number			
flops count of floating point operations			
${\tt Inf}$ infinity, ie. any number divided by 0			
NaN Numerical result is not defined			
pi the math pi (3.1415e)			
realmin, realmax			
smallest, largest real number MATLAB			
can represent			
intmin, intmax			
returns smallest, largest possible inte-			

ger used in MATLAB

clock, date. returns the time, date

File & Folder Operations

cd change direction
copyfile copy from $pathA$ to $pathB$
dir output content of a folder
exist determines whether variable, function or folder exists
open('workspace.mat'), load('workspace.mat') opens file to command line, additionaly
load it into worspace window
csvwrite() write to CSV format in current folder

Special Characters

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

Relational and Logical Operators

i	less than
i==	less than or equal to
į	greater than
;==	greater than or equal to
==	equal to
=	not equal to
&	and
!	or
~	not

Conditional Statements

if expression
statements
elsif expression
statements
else expression
statements
end

switch switch_expression
 statements
case case_expression
 statements
case case_expression
 statements
otherwise
 statements
end

for k = vectorOrColumnList

statements
end
while logicalExpression
statements
end

github.com/emzap79/QRCs

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This TeXfile is based on Gabriel B. Burcas © git-qrc.tex and has then been modified to my own requirements, with permission!