

STARTING with MATLAB

Lecture Date: 7 SEP 2016

Review default layout of MATLAB desktop

- * Current folder
- * Command Window
- * Workspace
- * Command history

Command Window

- * to enter command type next to prompt `>>`
- * Several commands can be entered in same line using commas
- * `↑` to recall previously typed command

Important Symbols / Commands

`%` `clc`
`j`

Arithmetic w/ Scalars left division

`+`, `-`, `*`, `/`, `\`, `^`
right division exponentiation

Order of Precedence

FIRST	Parentheses
SECOND	Exponentiation
THIRD	MULT, DIVISION (equal)
FOURTH	ADD, SUB
FIFTH	

} if same,
left to right

TO USE MATLAB AS A CALCULATOR, TYPE COMMANDS INTO REVIEW

Display Formats \rightarrow help format \rightarrow ask students

Format

short

\rightarrow

4 decimal digits for
 $0.001 \leq \text{number} \leq 1000$

long

\rightarrow

15 decimals

$0.001 \leq \text{number} \leq 100$

short e

\rightarrow

Sci notation w/ 4 decimals

long e

\rightarrow

Sci w/ 15 decimals

Assigning Variables

- * Remember to name your variables something that makes sense

Script Files

Sample prob 1-3

Show them my script

How did I know what round was?

What is exp?

Have them work on their HW