

# MATLAB Programming

## Introduction to MATLAB

- Building matrices
- Addressing and assigning elements
- Building special matrices
- Matrix operations
- Equation solving
- User defined functions
- Plotting
- Utility Commands

## Operators

- Relational operators and logical operators
- Control flow (for loops, while loops, if-else-end, switch-case-otherwise-end)
- Precision issues and additional data types (strings, cell arrays, structures)
- Formatted Input/Output

## MATLAB Advanced

- Matlab performance tuning
- Set functions
- User defined functions 2
- Plotting 2