

IIVP632/IIVP240
Lab Assignment-1-P
Octave/MATLAB

%PROBLEM%

1. Should learn about current directory window, command window, workspace window, command history, and figure window available in the MATLAB interface.
2. How the current directory of the MATLAB interface should be changed. Should learn to view content of the current directory.
3. Learn how to use help command over any MATLAB function.
4. Learn the coordinate system of MATLAB. How to identify a variable defined in MATLAB workspace.
5. Read an image, show the image in the figure window, and write the same image at a specific location with a specific format.
6. Convert the read image into other data formats such as int8 (1 byte), char (2 byte), uint16 (2 byte), int16 (2 byte), single (4 byte), double (8 byte), and show the resulting images in grayscale in single figure window using subplot and titles.
7. Define a 1D and 2D array and show, how to access a sub-block of those arrays.
8. How to display a string in the output window.
9. Should learn all types of control statements such as branch and iterative controls.
10. How to save the variables of the workspace and how to load them for reuse.