



- Q1. Explain the function "imadjust". List different transformation types available by the function. Apply the function on an image using contrast stretching.
- Q2. Explain the function "immapdata" and how to use it to map pixel values to a specified range (use an example).
- Q3. Describe how to generate a histogram of an image using related MATLAB function. Explain the functions: "bar", "stem" and "plot" that enable displaying histogram differently.
- Q4. Explain the concept of histogram equalization and how useful it is. Describe the related MATLAB function and the impact on the image histogram.
- Q5. Explain the concept of histogram matching and how it can be implemented.
- Q6. Explain what "spatial filtering" means and clarify the difference between "spatial filtering" and "frequency domain filtering".
- Q7. Describe the function related to 2-d linear spatial filtering of an image, showing its arguments.
- Q8. Give examples to three spatial filters supported by MATLAB. Show their syntax and parameters.
- Q9. Explain the function related to 2-D spatial filtering of an image using the Laplacian filter.