

LAB WORK 1- March 03,2009

In the folder **Image Processing Projects**, you are provided with the following software tools:

- power-log;
- histogram equalization;
- histograms matching;
- Laplacian;
- linear, and averaging filters;
- Gradient.

In the same folder you are provided with an image **hand.bmp**.

Problem1: Stretch the dark and shrink the light gray levels of this image;

Problem2. Reduce the noise and bring up the fine details. What are the operators used for this job?

Explain briefly why you use the corresponding tool, and what image features this tool is bringing up. Give the two result images and the explanation in a single *.doc* or *.pdf* file.

Use the following type of naming your file: `hand_oper1.bmp`
or `hand_oper1_oper2_oper3.bmp` if you use more than one operator for your work.

E-mail your results no later than Saturday March 07, 2009. Any late work will lead to cut of marks. Marks will be cut also if the submission is not in the required format.