



This exercise is an extension of the implementation of some topics/theory discussed in the class.

These topics are:

Implementation of - Edge detection with Sobel's operator

Implementation of - use of HoG Descriptor for recognizing DIGITS images

The following Python files will need to be run for studying this implementation.

Problem 1: Demonstration of Edge Detection with Sobel's operator.
Edge_Detection_Sobel.ipynb

Problem 2: Demonstration of Handwritten DIGITS recognition with HoG Descriptor.
HoG_Digits.ipynb