Image Processing and Computer Vision (MPHY39600/CS35600) (Kenji Suzuki)

Problem Set 5 (Due: the class after the next class)

Solutions should include relevant images and original code (written in your favorite computer language, e.g., C, C++, Matlab, IDL, etc.) of the algorithms developed, along with any discussion requested. All the images are on the Chalk website at http://chalk.uchicago.edu and in the uncompressed TIFF format.

(1) Implement the distance transform and apply it to the image img_distance.tif. Use the two-pass algorithm explained in the lecture, Pattern and Shape Analysis 1.