

INF 3300/INF 4300,  
Exercise week 39, 2006

25th September 2006

**Mathematical morphology:**

During this weeks lecture we went through different algorithms for image processing based on mathematical morphology. The exercise this week is an application of the white top hat transformation in order to deal with thresholding of images that are unevenly illuminated.

Download the image `unevenillumination.tif`. The aim of the exercise is to threshold only the text. Can this be done using a global threshold? You might want to try different local thresholding algorithms in order to detect the text, but one possibility lies in using the white top-hat transformation (WTH) that we went through during the course. Try to make that work!

**Enjoy!**