



Week 14 Exercises

Fys-2010

Spring 2019

Exercise 1

From the book (3rd and 4th edition): Problems 6.1, 6.5, and 6.8 a.

Exercise 2

- (a) Implement a program that will display the color image `blaklokke.jpg` (can be downloaded from Fronter) together with its RGB-components (in gray scale) in a 2×2 panel
- (b) Compute the histogram of each RGB-component, and display these in a 1×3 panel. Discuss which histogram is most suitable for segmenting the flower from the background.
- (c) Write a function that converts RGB-images to HSI space and repeat (a) for the HSI-components.
- (d) Repeat (b) for the HSI-components.

Exercise 3

Problem 3 from Exam September 2012.