

Exam DIP1

Questions in DIP1

1. Billedforbedring baseret på histogram-metoder
Image enhancement based on histogram processing
2. Spatiale filtre
Spatial filters
3. Kantdetektion
Edge detection
4. Fourier-transformation af billeder
Fourier transform of images
5. Frekvens-domæne filtre
Filtering in the frequency domain
6. Fjernelse af støj i billeder
Removing noise in images
7. Farvebilleder
Color images
8. Billedkompression
Image compression
9. Morfologiske operationer, dilation, erosion, åbning og lukning
Morphological image processing, dilation, erosion, opening and closing
10. Optælling af partikler i billeder
Counting particles in images
11. Bestemmelse af linier i billeder
Calculating lines in images
12. Mønstergenkendelse
Pattern recognition

Procedure:

The exam is oral, 20 min pr. student. You start with drawing one of the questions above at random. Then you'll do your short presentation (7-10 min.) of the question (no preparation time). In the last 10 min. I'll ask you question to your presentation or to other parts of the curriculum. After approx. 18 min you'll leave the room and the external examiner and I will determine your grade. You'll receive your the grade straight after.

You prepare the oral presentation at home, before the examination; hence you decide what you find relevant or not i.e. what the question encompasses.

I'll recommend you use the computer in your presentation (MatLab) to illustrate your point. You can use my demos or your own demos. Be sure you understand what is going on in the demos. Take care 7-10 min. is not a lot of time

Good luck
Henrik