

# Image Processing

## lab 1

Name of student

Name of other student

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### Exercise 1 – Reducing the number of intensity levels

- a. Here comes an explanation how you can reduce the number of intensity levels of an image. After that, you also list the source code of the relevant function with some comments at each step.

```
1 % Function to compute contrast of image
2 function reducedImage = IPcontrast(image, numLevels)
3     %Here comes your code
4     .....
5     .....
6 end
```



256 levels



128 levels



64 levels



32 levels

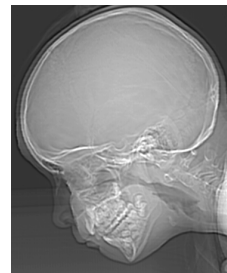
b.



16 levels



8 levels



4 levels



2 levels

### Exercise 2 – Handing in

When you're done, construct an archive file (zip, tgz, or tar) which contains your report and Matlab files. Then hand it in according to the instructions of the lab assistants.