

Assignment 01

Intensity Transformations and Neighborhood Filtering

submitted for

EN3160 - Image Processing and Machine Vision

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1. The given transformation is exactly the identity transformation except in the interval from 50 to 150. Denoting the value of a pixel in the original image by x , and the value it gets mapped to under the transformation by y , we observe that

$$\frac{y - 100}{x - 50} = \frac{255 - 100}{150 - 50} = 1$$

2. abc