

# ELA212 Lab2

Ashley Björs\* Daniel Rytenberg†

School of Innovation, Design and, Engineering

Mälardalens University, Västerås, Sweden, 2024-12-08

Email: \*abs21004@student.mdu.se, \*???@student.mdu.se,

## I. STHRESHOLD AND COLOR SPACE

- A. *How did you create the filter? Did you get a good result, i.e. like the middle image of Figure 1? Why/why not? (Possibly there is a lot of white pixels – do not worry).*
- B. *Suggest how to improve the result.*
- C. *How do you create the green filter in this color space? Which parameter was the most important?*
- D. *How does your filtered image compare to the previous RGB-based result?*
- E. *How did you do this?*
- F. *Show the resulting image*

## II. SPATIAL OPERATOR AND CONVOLUTION

- A. *Do they produce the same result?*
- B. *Which one is quicker and why? Use tic, toc. Note: As the image is small loop the operation to get a better time estimation*

## III. CALIBRATION AND MEASUREMENT

- A. *What was the result of your 4 depth estimations? What do you conclude from these with respect to measurement and distortion?*

## IV.