Lecture 12: Image Thresholding

Part 2: Variable (Adaptive) Thresholding

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Notes:

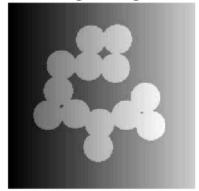
- Sample images are available in the images folder of the current directory. (You may need to add images folder into your path.)
- Related lecture: Lecture12 Image Thresholding
- pdf versions of the .mlx files are also available for those using GNU Octave

```
clearvars; close all; clc;
```

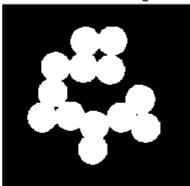
Non-uniform illumination examples

- 1. Use circles.tif or illum.png images
- 2. First check the results of global thresholding for the sample images

Original Image



Thresholded Image



Adaptive thresholding using local image properties

- 1. Use printedtext.png and printedtex2.png images
- 2. First check the results of global thresholding for the sample images

Original Image



Thresholded Image

Where is image Fittening to the Scalar Domain?

Described in the process of the control of the cont