COMPX301-20A Assignment 4 Report

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1   Methodology

In our construction of the cell-counting program, we made use of the OpenCV + NumPy Python libraries to set up the following image processing pipeline:

1. Median Filtering

2. Simple Binary Thresholding

3. Gaussian Filtering x5

4. Sharpening

5. Region labeling, counting (implemented manually, to comply with assignment constraints)