

Lecture 4: Histograms and Point Operations

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It covers: image histograms, Matlab example, point operations, thresholding, digital negative, contrast stretching, matlab's imtool, histogram equalization, histogram specification, gamma correction, introduction to spatial filters, introduction to edge detection and the Lytro sensor.

Follows section 3.1-3.3 the textbook (Gonzalez and Woods, 3rd ed).

Histograms and point operations. $I(x, y)$

References

[GW18] GONZALEZ and WOODS, Digital Image Processing, *Pearson*, 2018.