

Contrast stretching and gamma correction

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Contrast stretching: formula

$$T[r] = \frac{255 \text{ (new dynamic range)}}{H - L \text{ (old dynamic range)}}(r - L)$$

Contrast stretching: example

Before contrast stretching

Image



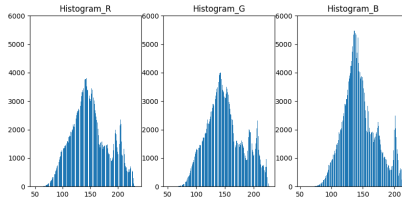
After contrast stretching

Image

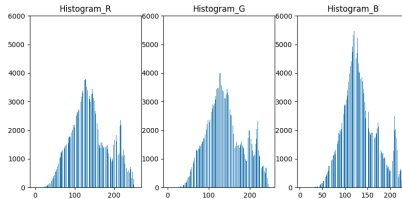


Contrast stretching: histograms

Before contrast stretching



After contrast stretching



Gamma correction: formula

$$T[r] = cr^{\gamma}$$