



Histogram Equalization

- Automatic, non-linear mapping whose goal is to produce optimal image contrast
- The transformation is specific for each image
- More shades are reserved to regions of the histogram containing more pixels
- Increases the "spacing" (distance) among shades in the regions of the histogram with largest concentrations of pixels
- Seeks to "flatten" the frequency distribution of shades along the entire histogram

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Cumulative Histogram Prefix sum of the histogram An appropriate function for performing equalization Requires renormalization Requires renormalization Graph of the function Cumulative Histogram Copyright Manuel Menezes de Cilivera Neto, Informática UFROS































