Image Cartooning

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Goals

- Take photographs and make them appear to be hand colored
- Hand colored images are characterized by few colors and black lines outlining objects
K-means clustering

Color images are clustered into $k$ clusters
$k=8$ seems to give good results
Mean Shifting

Pixels are assigned to the mean color of their cluster
LoG Operator to Enhance Edges

LoG of peppers.png
Dilate LoG
Addition of LoG Image

Done by inverting each of the RGB colors and adding in the LoG image
Questions?