CS294-164 Report - Week 13

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1 Analysis of the retinex theory of color vision

1.1 Main Idea

This paper analyzes Land's retinex algorithm, which is a model of the human color constancy. Color constancy is the property by which color roughly remains the same with changing distance and changin spectral dsitribution of ambient light. This paper shows that that the algorithm is too sensitive to changes in the color of nearby objects to serve as an adequate model of human color constancy.

1.2 New Ideas based on readings

2 Illuminant Spectra-based Source Separation Using Flash Photography

2.1 Main Idea

2.2 New Ideas based on readings