Abstract

Color is an important parameter in object recognition for human being and machine vision. The color constancy models developed by researchers always tend to mapping process. This paper studies the behavior of the RGB colors in outdoor illumination in tropical region. The colors values changes in the morning and evening illumination conditions and Euclidean distance calculated between planes shows the same trend for all planes.

References

- David Hilbert, "Color constancy and complexity of color".
Color Characteristics in RGB Space under Outdoor Illumination in Tropical Region

- Seon Joo Kim, Jan-Michael Frahm and Marc Pollefeys, 2008, "Radiometric Calibration with Illumination Change for Outdoor Scene Analysis"); CVPR08, pp 1-8.

Index Terms

Computer Science

Image Processing

Keywords

Color constancy, illumination, luminance, RGB space