Abstract

This paper presents a new method for poor lighting contrast enhancement of MRI images based on the Weber’s law. Background of MRI images is identified by using the contrast
enhancement transformations. The contrast image transformation can be defined by two operators: opening and closing. The first operator employs information from block analysis, while the second transformation utilizes the opening by reconstruction. Opening by reconstruction is used to define the multi background notion. The objective of contrast operators is normalizing the grey level of an input MRI image by using the contrast operator. The normalization process will enhance the quality of MRI images by avoiding abrupt changes in intensity among different regions.

References

- GUO Huiling, XU Lan, On The Legal Mechanism of the Forestland Resources Protection in China, in: Forest Resources Management, June 2007,
- Luis Alvarez, L. Mazor ra, Signal and Image Restoration using Shock Filters and
Analysis of Background Detection and Contrast Enhancement of MRI Images


Index Terms

Computer Science
Signal Processing

Keywords

Image background
Morphological contrast
Morphological filters by reconstruction
Multi background
Weber’s law