Abstract

Image processing is deals with wave processing which the input data is a picture, and the result can be either an image or a set of parameters corresponding to the image. Medical Imaging is a wide technology which helps the doctors to see the interior portions of the body parts for easy diagnosis. The proposed system edge-based segmentation is applied for vessel extraction. It produces edge maps which are based on Kirsch edge detection methods. The proposed method discovers the eye disorder such as cardio vascular diseases and diabetic retinopathy. In order to evaluate the performance of proposed work, there are several statistical criteria which are related to the sensitivity, specificity, accuracy and precision.

References

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Diabetic Retinopathy Identification, Analysis and Diagnosis using Color Images


Index Terms

Computer Science

Image Processing

Keywords

Biomedical Image Processing, Retinal Structure, vessel segmentation, diabetic retinopathy, Kirsch-Template, Retinal Disease Diagnosis.