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A NEW APPROACH TO CONTEXT AWARE SALIENCY DETECTION USING GENETIC ALGORITHM

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Abstract
In this paper we present a new saliency detection model which not only detect the the dominant salient object but also the image regions that give some information about the scene. Starting from the initial segmentation result obtained from applying multi iteration multithresholding algorithms, and then applying morphology based edge detection method. The proposed method applies hough transforms to detect the energy content of the image, then genetic algorithms can be expoited to detect the salient region in the image.

Author Keywords
Saliency, Informative saliency, Content based saliency, context aware, Genetic algorithms, Hough transform, multithresholding, computer vision, pattern recognition

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