

A Novel Method to Estimate Depth Information for Portrait Image

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Abstract

This paper proposes a novel method to estimate the depth information from single 2D image for portrait. The proposed method first identified the people and background from image, and then estimate the depth information for people based on scene classification. From experiments, it is proved that the proposed method can successfully and accurately estimate the depth information for portrait image.

Keyword : Face detection, Skin color, Facial feature, Distance feature, Depth information.