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A Novel approach for the recovery of de-focussed color Images

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Abstract : Blur removal method is one of the powerful tools in signal and image processing applications today. In this paper, we propose an efficient framework for removing the blur in large and small exposure images. The large and small exposure images are used as the inputs in our work. In the first step, the shaken/movement pixels between the images are identified. With the proposed approach, the blur pixels are eliminated and optimal quality image is attained by combining the large and small exposure images. Visual quality is the prerequisite for many imagery applications like medical image diagnosis and remote sensing. In recent years, the significance of blur suppression and the recovery of corrupted images are increasing. This proposed approach provides the recurring theme that covers wide variety of samples. This framework can also produce visually appealing HDR (High Dynamic Range) image.