



RESEARCH ARTICLE

A Combined Image Deblurring Using Image Enhancements

Shravani Reddy¹, Guruswamy Karthikeyan²

¹Computer Science Engineering, Trinity Engineering College, Karimnagar, India

²Master of Business Administration, India

¹*sravanireddy07@gmail.com*; ²*Karthik.charisma@gmail.com*

Abstract— While we capture images we used to get the noise to remove the noise we are using so many techniques which were not at reached the user requirement finally we came up through three paradigms which can fulfil user requirements: 1) the deterministic filter; 2) Bayesian estimation; and 3) the conjunctive deploring algorithm (CODA), which performs the deterministic filter and Bayesian estimation in a conjunctive manner. We point out the weaknesses of the deterministic filter and unify the limitation latent in two kinds of Bayesian estimators. We further explain why the CODA is able to handle quite large blurs beyond Bayesian estimation. Finally, we propose a novel method to overcome several unreported limitations of the CODA. Although extensive experiments demonstrate that our method outperforms state-of-the-art methods with a large margin, some common problems of image deblurring still remain unsolved and should attract further research efforts.

Keywords: - Bayesian estimation; blind image deconvolution; image sharpening; Alpha tonal correction; Blur Removing

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