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## Asymmetric Generalized Gaussian DistributionParameters Estimation based on MaximumLikelihood, Moments and Entropy

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**Abstract :** In this paper, we address the problem of estimatingthe parameters of Asymmetric Generalized Gaussian Distribution(AGGD) using three estimation mehods, namely, Maximum LikelihoodEstimation (MLE), Moment Matching Estimation (MME)and Entropy Matching Estimation (EME). For this purpose, these methods are applied on an unimodal histogram fitting of animage corrupted with AGGD noise. Experiments show that the effectiveness of each method comparatively to the other one depends on the variation range of the shape factor.

Keywords : Asymmetric generalized Gaussian distribution, Parameter estimation, maximum likelihood, Moments, Entropy.