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Abstract

In this paper, the truncated compound normal with gamma distribution model is formally presented and its density function has been derived for defining a mixture model(TCNGM) based on this as an extension work to the proposed compound normal with gamma mixture(CNGM) model introduced in our earlier work for image segmentation. Update equations for this model have been derived in the context of maximum likelihood estimation(MLE) procedure under Expectation Maximization(EM) framework.

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