



# Interval edge estimation in SAR images

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This paper considers edge interval estimation between two regions of a Synthetic Aperture Image which differ in texture. Different point estimation strategies under multiplicative noise are discussed in the literature. It is important to assess the quality of such point estimates and to also perform inference under a given confidence level. This can be achieved through interval parameter estimation. To that end, we propose bootstrap-based edge confidence interval. The relative merits of the different inference strategies are compared using Monte Carlo simulation. We also analyze a real dataset.

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