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Research Article

Enhanced Radar Imaging in Uncertain E A Descriptive Experiment Design Regula Approach

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Abstract

A new robust technique for high-resolution reconstructive imagin sensing (RS) with imaging array radar or/and synthetic aperl environment. The operational scenario uncertainties are associated signal formation operator (SFO) in turbulent medium, impermeasurements, uncontrolled antenna vibrations, and random carpropose new descriptive experiment design regularization (DED enhancement/reconstruction problems. The proposed DEDR incorpestimation strategy the experiment design-motivated operational case statistical performance (WCSP) optimization-based regularization WCSP information, and the robust DEDR image reconstruction rank uncertain estimated data correlation matrices is found. We reenhancement of the uncertain SAR imagery indicative of the sig with the developed approach.

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