

Research on Wavelet Transform Applied to Radar Signal Denoising

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Abstract: This topic aims to study and apply Wavelet transform techniques to reduce noise in Radar signal processing. The context of the topic arises from the high demand of modern Radar systems for signal quality unaffected by noise. The main objective is to build an effective and optimal solution by combining theoretical research with experimentation. The method includes analyzing Wavelet techniques, designing noise suppression algorithms, and implementing applications on real Radar data. The expected results will significantly contribute to improving Radar signal quality and expanding the application of Wavelet transform technology in this field.

Keywords: Wavelet transform, signal denoising, Radar, signal processing, digital