



Nonstationary Biorthogonal Wavelets: Best Basis Selection

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Abstract

In this talk, we present a family of nonstationary biorthogonal wavelets together with the associated nonstationary multiresolution analysis. We demonstrate the effectiveness of these wavelets for signal and image compression, as well as for data size reduction. Finally, we propose an algorithm for selecting the most suitable nonstationary wavelet basis.

Numerical experiments confirm the effectiveness and efficiency of the proposed approach.

References:

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