



ADAPTIVE WAVELETS FOR IMAGE REPRESENTATION AND CLASSIFICATION (WedAmOR11)

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★ Abstract :

In this paper we describe and analyze a new scheme for performing feature extraction on large image datasets. The work is motivated primarily by the need to classify quickly and efficiently large multispectral satellite images. We propose a multiresolution approach based on a special class of adaptive wavelets which allows the extraction of salient features without losing accuracy.

[Menu](#)