

AN APPLICATION OF RADON AND WAVELET TRANSFORMS FOR IMAGE FEATURE EXTRACTION

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ABSTRACT

In this paper we proposed wavelet and Radon for the rotation and translation invariant image transforms analysis and their use for image enhancement and features extraction. Main aim of this paper is to use two-dimensional Radon and wavelet transforms to form fundamental mathematical tools in these areas. Results are verified in the MATLAB environment both for data and for analysis of biomedical images.

KEYWORDS: Radon and Wavelet, Transformation to Detect Lines and Curves in Pictures