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Lixin Shen* (lshen03@syr.edu), Department of Mathematics, Syracuse University, Syracuse, NY 13244. *Image analysis using two-dimensional empirical mode decomposition.*

Images are often are nonlinear and nonstationary. Empirical mode decomposition (EMD) is a powerful tool for analyzing such kind of signals. We will show some applications of EMD to image texture analysis. (Received September 21, 2007)