Electronic Journal: Southwest Journal of Pure and Applied Mathematics
Internet: http://rattler.cameron.edu/swjpam.html
ISSN 1083-0464
Issue 2, December 2001, pp. 7–18.
Submitted: July 18, 2001. Published: December 31 2001.

STABILITY FOR NONLINEAR 2-D MULTIRESOLUTION: THE APPROACH OF A.HARTEN

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ABSTRACT. In this paper a class of multiresolution representation based on nonlinear prediction in 2-D is presented. In contrast with the wavelet framework these representations cannot be consider as a change of basis, and the stability theory requires different considerations. Some error-control algorithms in order to obtain stability are proposed.

1991 A.M.S. (MOS) Subject Classification Codes. 41A05, 41A15

Key Words and Phrases. Multiscale decomposition, nonlinearity, stability

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