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

S. Amat and S. Busquier

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.

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Departamento de Matemática Aplicada y Estadística, Cartagena, Murcia, Spain
E-mail Address: sergio.amat@upct.es
Australian National University, Canberra ACT 2601, Australia
E-mail Address: sonia.busquier@uv.es
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