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A New Method for Solving of 2d Fredholm Integra Equation with Rh Wavelet

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Abstract

In this paper we have introduced a computational method class of two-dimensional nonlinear Fredholm integral equations,The me is based on2D Haar wavelet. Also, Banach fixed point theoremguara that under certain assumptions, this equation has a unique point.Numerical examples are presented and results are compared other numerical methods.

Keywords: Two-dimensional nonlinear Fredholm integral equations; 2D wavelet; fixed point theorem; error analysis.
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