

عنوان مقاله:

A spectral Chelyshkov wavelet method to solve systems of nonlinear weakly singular Volterra integral equations

محل انتشار:

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خلاصه مقاله:

Based on Chelyshkov wavelet, an operational matrix of integration is extracted, and then is applied for solving linear and nonlinear Abel and systems of Abel integral equations. Some numerical examples confirm the applicability, accuracy and efficiency of the method.

کلمات کلیدی:

Chelyshkov functions, Generalized Abel integral equations, systems of Abel integral equations, Chelyshkov wavelet, Operational matrix of integration

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