عنوان مقاله:

Bernstein Multi-Scaling Operational Matrix Method for Nonlinear Matrix Differential Models of Second-Order

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خلاصه مقاله:

In The current paper presents an idea for solving a class of linear matrix differential equations of second order. To perform so, the operational matrix of the integration based on the Bernstein multi-scaling polynomials are used to reduce the main problem to system of matrix equations. Numerical experiments illustrate the applicably and efficiency of the propounded technique.

کلمات کلیدی:

Matrix differential equation, Bernstein multi-scaling polynomials, Operational matrix of integration.

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