عنوان مقاله:

Numerical solution of the nonlinear Volterra-Fredholm integro-differential equations by using Ritz-Galerkin method

نویسندگان:

r.a Talarposhti - *Department of Mathematical science, university of mazandaran, babolsar, Iran*

d.d Ganji - *Babol (Noushiravani) University of Technology, Department of Mechanical Engineering, Babol, Iran*

خلاصه مقاله:

In this paper, an application of Galerkin method is applied to solve nonlinear Volterra-Fredholm integro-differential equations. Some numerical examples are also given to illustrate the efficiency and accuracy of the method. The results are compared with exact solution to evaluate the effectiveness of numerical method used for this problems. This shows good agreement

کلمات کلیدی:

Ritz-Galerkin method, nonlinear, integro-differential equation