ON THE APPROXIMATE SOLUTION OF THE J. BAAL NONLINEAR DYNAMIC BEAM EQUATION

Giorgi Papukashvili
V. Komarovi N 199 Public School
Georgian Technical University, Tbilisi, Georgia
gagapapukashvili@gmail.com

An initial boundary value problem for a J. Ball nonlinear dynamic beam equation is considered. For approximate solution of the problem projection method, symmetrical difference scheme and iteration process have been used. The accuracy of the algorithm is studied.