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NUMERICAL SOLUTION OF LINEAR LOADED
SYSTEMS OF ORDINARY DIFFERENTIAL
EQUATIONS WITH MULTI-POINT NON-SEPARAT
BOUNDARY CONDITIONS

Abstract

A numerical method is suggested for the solution of systems of linear multi-pointly loaded ordinary differential equations with nonseparated multi-point boundary conditions. Formulae are obtained and an algorithm is given for the solution of this problem. The results of numerical solution are given for a loaded boundary value problem illustrating the efficiency of the suggested method.