

SPECIAL MULTI STEP METHOD FOR THE SOLUTION OF A CLASS OF NON LINEAR BOUNDARY VALUE PROBLEM

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Abstract

This paper proposes special case of multistep method for the numerical solution of ordinary differential equation. This paper deals with the absolute stability of such methods. A non linear differential equation is illustrated to show the efficiency of the method discussed in this paper.

Key Words : *Numerical differentiation, Boundary value problem, Absolute stability, Multistep methods, Non linear differential equations.*

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