One Day Conference on Ordinary Differential Equations & Inverse Problems November 27, 2006, IKIU, Qazvin

Use of Cubic Spline for Solving Conservation Laws System and Improving Available Shocks in Result with Use of Switch Automatic

M. Karimi

Islamic Azad University, Ghaemshahr Ghaemshahr, Iran

We obtain difference methods for solving conservation laws system that dissipative with suitable stability. This methods are family of triple parameters schemes of second order accurate and in another from have single parameter with third order accurate and also co-nditionally stable. In numerical experiment with discontinuation initial condition gives results with intens shock that used automatic switch shoman filter for removing this shock and we observe its preference in usibility of this methods.