

To the stability of Gauss-Hermite approximate method for Cauchy problem

Tamaz Vashakmadze

Ivane Javakhishvili Tbilisi State University
Ilia Vekua Institute of Applied Mathematics

Let us consider the class of schemes corresponding to Gauss-Hermite method for approximate solution of Cauchy problems, the accuracy of which depend from the smoothness of an exact solution. We investigated the problem of stability of the same processes which is essentially connecting to the property of normality by Fejer sense of matrices of nodes.