数学与系统科学研究院 计算数学所学术报告

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报告题目:

The Gruenwald-Letnikov Method for Fractional Differential Equations

邀请人: 洪佳林研究员

报告时间: 2010年5月12日(周三)

下午 4: 00~5: 00

报告地点: 科技综合楼 311 计算数学所报告厅

Abstract:

This paper is devoted to the numerical treatment of some fractional extensions of ordinary and partial differential equations. Based on Gruenwald-Letnikov definition of fractional derivatives, finite for difference schemes approximation of the solution are discussed and difference schemes are derived. The main properties of these **explicit** and methods, implicit methods, related to the stability, the convergence and the error behaviour are studied. Numerical experiments are given.

欢迎大家参加!