



深圳北理莫斯科大学

УНИВЕРСИТЕТ МГУ-ППИ В ШЭНЬЧЖЭНЕ

SHENZHEN MSU-BIT UNIVERSITY

应用数学讲座

Научный Семинар по Прикладной Математике

Research Seminar on Applied Mathematics

Руководитель: Доцент Чжан Е

主持人: 张晔 (副教授, 深圳北理莫斯科大学)

计算数学报告 (4)

报告人 / Докладчик / Speaker:

程晓良, 教授, 浙江大学数学科学学院.

题目 / Название / Title:

“Numerical analysis for variational and Hemi-variational inequality”

时间 / Время / Time:

2019年12月12日, 下午6点半至8点 / 12 Dec. 2019, 18:30-20:00 p.m.

地点 / Место / Venue: 1教113/ Building 1, Room 113

摘要 / Аннотация / Abstract:

This talk consists two parts: For the variational inequalities model obstacle problems, we propose and analyze some numerical algorithms based on an equivalent formulation. The algorithms for the related discrete Hamilton-Jacobi-Bellman equation are also discussed. The second part concerns a Quasistatic history-dependent contact model. It is a hemi-variational inequalities model. We analyze the finite element methods to approximate it, derive some error estimates and analyze some algorithms. Several models for different contact conditions in hemi-variational inequalities are mentioned.

访问学者以及需要做报告的学者请联系 张晔 副教授 / Всем желающим выступить с докладами на семинаре просьба обращаться к Чжану Е ye.zhang@smbu.edu.cn