



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

应用数学报告 (13)

报告人 / Докладчик / Speaker:

陈德汗：华中师范大学讲师

题目 / Название / Title:

Regularization and convergence for ill-posed backward evolution equations in Banach spaces

时间 / Время / Time: 21 Jan. 2021, 10:00-12:00 am

地点 / Место / Venue: 腾讯会议 Tencent online meeting

ID: 707 955 486

Password: 7777

摘要 / Аннотация / Abstract:

This talk is concerned with a mathematical study of ill-posed backward evolution equations associated with densely defined linear differential operators in Banach spaces. A general approach is presented to investigate the convergence and stability of a class of regularized solutions for ill-posed backward evolution equations associated with sectorial or half-strip operators. Generalized concepts of qualification pairs and index functions are introduced to characterize the explicit convergence rates of the concerned regularized solutions. Applications of our results to general backward evolution equations are also investigated.

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