

数学与系统科学研究院
计算数学所网络学术报告

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报告题目:

A roadmap for devising energy stable schemes for general dissipative systems

邀请人: 徐劼 博士

报告时间: **2020年9月3日 (周四)**

上午 10:00-11:00

报告工具: **腾讯会议 (ID: 890 201 804)**

Abstract:

In this talk, I will present a framework for devising unconditionally stable schemes for general dissipative systems based on a generalized positive auxiliary variable. This method requires the solution of a linear equation to be solved for each time step only once, so the computational cost is almost the same with the classical semi-implicit method. Rigorous error estimate and applications of this method to multiphase flow problems are also presented.

欢迎大家参加！