数学与系统科学研究院

计算数学所网络学术报告

报告人： Prof. Yinnian He

（ *Xi'an Jiaotong University* ）

报告题目：

Uniform stability and convergence of the iterative solutions of the 3D steady viscous primitive equations of the ocean

邀请人： 毛士鹏 研究员

报告时间：2020 年 11 月 13 日（周五）
上午 9:00-10:00

报告工具：腾讯会议（ID：150 258 200）

会议链接：

https://meeting.tencent.com/s/gJzFczLgaEym

Abstract：

In this article, the new uniqueness condition of the solution for the 3D steady viscous primitive equations (PEs for brevity) of the ocean is provided. Also, the Stokes, Newton and Oseen iterative methods of the 3D steady PEs of the ocean are designed. Furthermore, the uniform stability and convergence results with respect to the physical parameters (ν_1, μ_1, ν_2, μ_2, σ, γ) of the Stokes, Newton and Oseen iterative solutions $((u_n, \theta_n), p_n)$ for the 3D steady PEs of the ocean under the new uniqueness condition are studied.

欢迎大家参加！