偏微分方程及其应用中心

学术报告

报告题目： Arnold-type stability theorems on a sphere

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时　　间： 2024 年 7 月 18 日（星期四）下午 16:00-17:00

地　　点： 腾讯会议：786-247-249

摘　　要： We will discuss several Arnold-type stability theorems for steady or rotating solutions of the incompressible Euler equation on a 2-sphere. As an important application, we obtain the orbital stability of degree-2 Rossby-Haurwitz waves. We will also discuss some sharp rigidity results for solutions of semilinear elliptic equations on a sphere as byproducts.