调和分析及其应用学术报告

题　　目：　Normalized solutions of unbalanced equations with mass supercritical growth

报告人：　Prof. Vicentiu Radulescu

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邀请人：　杨大春

时　　间：　2025 年 4 月 16 日

　　　　　下午 16:00 至 17:00

地　　点：　后主楼 1124 室

摘 要: This talk is concerned with the analysis of solutions with prescribed mass for a general class of (p,q)-equations with constraint. The reaction is assumed to be continuous and satisfying weak mass supercritical conditions. The purpose of this talk is twofold: to establish the existence of ground states, and to reveal the basic behaviour of the ground state energy as the level of energy varies. Some perspectives and open problems are raised in the final part of this talk.

The content of this talk is partially based on the paper

L. Cai, V. D. Radulescu, Normalized solutions for (p,q)-equations with mass supercritical growth, J. Differential Equations 391 (2024), 57-104.