浙江师范大学
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Anisotropic problems with triple regime: the stationary case

The Speaker: Vicentiu D. Radulescu
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Beijing time: Thursday, December 17,2020, 2:00–3:00 pm
Romanian time: Thursday, December 17,2020, 8:00–9:00 am
Meeting ID: 564 864 027
https://meeting.tencent.com/s/oTrxS1CEEXRP

Abstract: We discuss the existence of solutions for a class of nonstandard PDEs. We are concerned with nonlinear problems with several variable exponents and mixed subcritical–critical–supercritical regime.We distinguish three different situations corresponding to the radial and nonradial settings (in the case of balls), respectively for a singular growth of the reaction near the boundary (for general domains). The arguments rely on the Palais principle of symmetric criticality combined with related variational methods and critical point tools. Several open problems are raised in the final part of this talk.

Prof.Vicentiu Radulescu is a Full Professor at the university of Craiova (Romania) and also a Professorial Fellow at the Institute of Mathematics of the Romanian Academy in Bucharest. He is an internationally renowned expert in the field of nonlinear analysis. His tutor is H Brezis, an academician of the French Academy of Sciences. Professor Radulescu has won the SIMION stoilow award of the Romanian Academy of Sciences. He has served as Advances in Nonlinear Analysis 、 Nonlinear Analysis 、 Journal of Mathematical Analysis and Applications and so on The editorial board of applications and other high–level mathematics journals has published more than 350 papers in high–level mathematics journals

Organizer: Minbo Yang, Department of Mathematics, Zhejiang Normal University.