



JAGIELLONIAN UNIVERSITY
IN KRAKOW

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Seminars

My current seminars at JUK

Seminar of the Chair of Optimization and Control

under prof. Stanislaw Migórski

winter semester 2017-2018, Thursday, 10:15 - 11:45, room 1177

November 23, 2017

Vicentiu Radulescu (Mathematics Institute of the Romanian Academy, Bucharest and University of Craiova, Romania), "Nonlinear eigenvalue problems: old and new".

Abstract: We discuss several examples of nonlinear eigenvalue problems driven by nonhomogeneous differential operators with variable exponent. We point out several new phenomena that arise in comparison with the classical framework. In particular, we discuss the existence of a continuous spectrum that can concentrate near the origin or at infinity. The study is motivated by phenomena arising in non-Newtonian fluids, image reconstruction and other related fields.