

Double-Phase Problems with Variable Growth



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Scientific Conference

Scientific Conference

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Prof. Vicentiu Radulescu, Mathematics, University of Craiova, Romania

Website



Abstract

This talk includes several recent personal contributions to the study of nonlinear problems with unbalanced growth. These problems have a variational structure and the associated energy is a double-phase functional. The study includes quasilinear elliptic equations

but our analysis is extended to elliptic-hyperbolic problems. Problems of this type have been intensively studied in the last two decades, after the seminal contributions of P. Marcellini and G. Mingione.

Brief Biography

Vicentiu Radulescu is a Professor of Mathematics at the University of Craiova (Romania) and at the AGH University of Science and Technology in Krakow (Poland). He is also a Professorial Fellow at the Institute of Mathematics of the Romanian Academy. He received both his PhD and his Habilitation at the Sorbonne University in Paris under the coordination of Professor Haim Brezis. Professor Vicentiu Radulescu published more than 400 research papers, 10 books and he has editorial positions with several important journals. He is a co-Editor-in-Chief and the founder of the journal *Advances in Nonlinear Analysis*, ranked 4/330 in Mathematics.

Contact Person

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