



Michal Fečkan

Education

- 1985 M.S.
- 1993 Ph.D.

Employment

- 1985 - Mathematical Institute of Slovak Academy of Sciences in Bratislava, Slovak Republic
- 1995 - Department of Mathematical Analysis and Numerical Mathematics on the Faculty of Mathematics, Physics and Informatics at the Comenius University in Bratislava, Slovak Republic

Research Group

My research group works in the areas of nonlinear phenomena. More specifically, we work on the following three fundamental themes:

- chaos in nonlinear dynamical systems
- traveling waves in coupled nonlinear oscillators
- nonlinear fractional differential and difference equations

Selected Publications

- M. FEČKAN: Bifurcation and Chaos in Discontinuous and Continuous Systems, 1. Edition. - Berlin : HEP-Springer, 2011. - 390 p. - ISBN 978-3-642-18268-6
- M. FEČKAN: Topological Degree Approach to Bifurcation Problems, 1. Edition. - Berlin : Springer, 2008. - 261 p. - ISBN 978-1-4020-8723-3
- FEČKAN, M. POSPÍŠIL: Poincaré-Andronov-Melnikov Analysis for Non-Smooth Systems, 1. Edition. - Amsterdam : Academic Press is an imprint of Elsevier - 260 p. - ISBN 978-0-12-804294-6
- M. FEČKAN, J.R. WANG and M. POSPÍŠIL: Fractional-Order Equations and Inclusions, 1. Edition. - Berlin/Boston : Walter de Gruyter GmbH 2017 - 366 p. - ISBN 978-3-11-052207-5
- P. OLEJNIK, J. AWREJCEWICZ and M. FEČKAN: Modeling, Analysis and Control of Dynamical Systems: With Friction and Impacts, 1. Edition. - New Jersey : World Scientific Series on Nonlinear Science Series A: Vol 92,

World Scientific Publishing Co. Pte. Ltd. 2018 - 276 p. - ISBN: 978-981-3225-28-2

- J.R. WANG and M. FEČKAN: Fractional Hermite-Hadamard Inequalities, 1. Edition. - Berlin/Boston : Walter de Gruyter GmbH 2018 - 375 p. - ISBN 978-3-11-052362-1

- J.R. WANG and M. FEČKAN: Non-Instantaneous Impulsive Differential Equations, Basic theory and computation, 1. Edition. - IOP Publishing Ltd, Bristol, UK 2018 - 249 p. - ISBN Online ISBN: 978-0-7503-1704-7, Print ISBN: 978-0-7503-1702-3

- List of publications: <http://alis.uniba.sk:9909/search/query?theme=EPC>