Faculty Research for 2005

1. Lingju Kong and Qingkai Kong, Second-order boundary value problems with nonhomogeneous boundary conditions (I), Math. Nachr. 278 (2005), 173–193.
2. Lingju Kong and Qingkai Kong, Positive solutions of higher order boundary value problems, Proc. Edinburgh Math. Soc. 48 (2005), 445–464.
3. S.A. Avdonin, B. Belinskiy. On the Basis Properties of the Functions Arising in the Boundary Control Problem of a String with a Variable Tension, Discrete and Continuous Dynamical Systems: A Supplement Volume, 40-49. 2005.
4. J. Graef, R. Koplatadze, G. Kvinikadze, Nonlinear functional differential equations with Properties A and B, Journal of Mathematical Analysis and Applications 306 (2005), 136-160.
5. M. Benchohra, J. Graef, A. Ouahab,Oscillatory and nonoscillatory solutions of multivalued differential inclusions, Computers and Mathematics with Applications 49 (2005), 1347-1354.
6. J. Graef, A. Ouahab, Nonresonance impulsive functional dynamic equations on times scales, International Journal of Applied Mathematical Sciences 2 (2005), 65-79.
7. S. Elizabeth, J. Graef, P. Sundaram, and E. Thandapani, Classifying nonoscillatory solutions and oscillation of a neutral difference equation, Journal of Difference Equations and Applications 11 (2005), 605-618.
8. J. Graef, J. Karsai, Neliniini Kolyvannya, Behavior of solutions of second order differential equations with sublinear damping, 8 (2005), 186--200. (Non-linear Oscillations 8 (2005), 184-197.)
9. B. C. Dhage, J. Graef, On boundary value problems for second order perturbed differential inclusions, Applicable Analysis 84 (2005), 953-970.
10. M. Benchohra, J. Graef, S. K. Ntouyas, A. Ouahab, Upper and lower solutions method for impulsive differential inclusions with nonlinear boundary conditions and variable times, Dynamics of Continuous, Discrete and Impulsive Systems 12 (2005), 383-396.
11. J. Graef, B. Yang, Multiple positive solutions to a three point third order boundary value problem, Dynamical Systems and Differential Equations, Proceedings of the Fifth International Conference on Dynamical Systems and Differential Equations, Discrete and Continuous Dynamical Systems, 2005, 337-344.
12. J. Graef, J. Karsai, Attractivity properties of oscillator equations with superlinear damping, Dynamical Systems and Differential Equations, Proceedings of the Fifth International Conference on Dynamical Systems and Differential Equations, Discrete and Continuous Dynamical Systems, 2005, 497-504.

13. The nonlinear limit-point/limit-circle problem for second order equations with p-Laplacian, with M. Bartušek, Dynamic Systems and Applications 14 (2005), 431-446.
14. Aniekan Ebiefung. An alternative Formulation of the Leontief's input-output pollution model. Proceedings of the 35th Annual Meeting of Southeast Decision Sciences Institute, Feb.23—25, 2005.
15. S. Elizabeth, J. Graef, E. Thandapani, Oscillation of first order nonlinear neutral difference equations, Indian Journal of Pure and Applied Mathematics 36 (2005), 503-