

## 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. S. Elizabeth, J. Graef, E. Thandapani, Oscillation of first order nonlinear neutral difference equations, *Indian Journal of Pure and Applied Mathematics* 36 (2005), 503-512.