

PROGRAM

WORKSHOP The perturbation of the generalized inverses, geometric structures, fixed point theory and applications

29.8.2016

- 14.00-15.00 **Re@WBC project** promotion at XIX Geometrical seminar

Present project members will talk about roles and goals of Re@WBC project as well as about enhancement of HE research potential at WBC Universities

- 15.00-15.15 Chunyuan Deng, South China Normal University, Guangzhou, China

On generalized invertibility of operators

- 15.15-15.30 Cvetkovic-Ilic Dragana, Faculty of Science and Mathematics, University of Nis, Serbia

Generalized inverses and some problems of completions of operator matrices

- 15.30-15.45 Jelena Visnjic, Medical Faculty, Nis, Serbia

The Drazin inverse for the sum of two matrices and representations

- 15.45 -16.00 Ke Yuanyuan, Department of Mathematics, Southeast University, Nanjing

The (b,c)-inverse of products and lower triangular matrices

- 16.00-16.15 Pavlovic Vladimir, Faculty of Science and Mathematics, University of Nis, Serbia

Completions of upper-triangular matrices to Kato nonsingularity

- 16.15 -16.30 Jianlong Chen, Southeast University, Nanjing, China

The inverse along an element in semigroups and rings

- 16.30-16.45 Ljubica Velimirovic, Faculty of Science and Mathematics, University of Nis, Serbia

Note on infinitesimal bending of knots

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- 15.00-15.15 Miodrag Mateljevic, SANU, Belgrade Serbia

Schwarz lemma, the Caratheodory and Kobayashi metrics and applications in complex analysis

- 15.15-15.30 Qingxiang Xu ,Department of Mathematics,Shanghai Normal University, PR China

Norm estimations for the Moore-Penrose inverse of multiplicative perturbations of matrices

- 15.30-15.45 Wenrong Dai,Department of Mathematics,Shanghai Normal University

Asymptotic stability of combination of contact waves with rarefaction waves for one-dimensional radiative hydrodynamic systems

- 15.45 -16.00 Milan Tasic, Faculty of Science and Mathematics, University of Nis, Serbia

Computations of Weighted Moore-Penrose inverse of rational matrices using Database storage system

- 16.00-16.15.Predrag Stanimirovic, Faculty of Science and Mathematics, University of Nis, Serbia

Recurrent neural network approach to computation of generalized inverses

- 16.15 -16.30 Ivan Stanimirovic, Faculty of Science and Mathematics, University of Nis, Serbi

Computing Aluthge and Duggal transform of polynomial matrices with complex coefficients

- 16.30-16.45 Marija Cvetkovic, Faculty of Science and Mathematics, University of Nis, Serbia

Fixed point theorems of Perov type and Ulam's stability

- 16.45-17.00 Olivera Stanimirovic, Faculty of Science and Mathematics, University of Nis, Serbia

Generalized graphical method of linear programming