Research on structure of operators
by order and geometry with related topics

RIMS conference

Organizer: Keiichi Watanabe (Niigata University)

Date: November 9–11, 2015.

Place: Room 420, Research Institute for Mathematical Sciences,

Kyoto University, Kyoto 606-8502, JAPAN.

http://www.kurims.kyoto-u.ac.jp/en/index.html

November 9 (Mon)

13:00-13:40 Hiroshi Isa (Maebashi Institute of Technology), Masatoshi Ito (Maebashi Institute of Technology), Eizaburo Kamei, Hiroaki Tohyama (Maebashi Institute of Technology), Masayuki Watanabe (Maebashi Institute of Technology)
   Some operator divergences based on Petz-Bregman divergence
13:50-14:30 Ja A Jeong (Seoul National University), Eun Ji Kang (Seoul National University), Sun Ho Kim (Seoul National University), Gi Hyun Park (Hanshin University)
   Finite simple C*-algebras of labeled spaces
14:40-15:20 Muneo Cho (Kanagawa University), Eungil Ko (Ewha Womans University), Ji Eun Lee (Sejong University)
   On m-complex symmetric operators
15:30-16:10 Masaru Nagisa (Chiba University)
   Some examples of operator monotone functions
16:20-17:00 Yuki Seo (Osaka Kyoiku University), Jun Ichi Fujii (Osaka Kyoiku University)
   Relative operator entropy and Karcher mean

November 10 (Tue)

9:30-10:10 Yoichi Udagawa (Tokyo University of Science), Takeaki Yamazaki (Toyo University), Masahiro Yanagida (Tokyo University of Science)
   Research of weighted operator means from two points of view
10:20-11:00 Miklós Pálfia (Kyoto University)
   TBA
11:10-11:50 Tsuyoshi Ando (Hokkaido University PE)
   Conditions for separability of matrices in $\mathbb{M}_2 \otimes \mathbb{M}_n$

13:00-13:40 Hiroshi Nakazato (Hirosaki University)

  Some contractions and the Poncelet property of their numerical ranges

13:50-14:30 Marie Choda (Osaka Kyoiku University PE)

  On Operational Convex Combinations

14:40-15:20 Chafiq Benhida (University of Lille 1)

  On generalized Jacobson's lemma and spectral properties of operators

15:30-16:10 Toshikazu Abe (Niigata University)

  Generalized gyrovector spaces and hyperbolic geometry of the positive definite cone
of a unital C*-algebra

16:20-17:00 Osamu Hatori (Niigata University)

  Positive cones and GGV

November 11 (Wed)

9:30-10:10 Go Hirasawa (Ibaraki University)

  A method of diminishing intervals and semiclosed subspaces

10:20-11:00 Piotr Budzyński (University of Agriculture in Krakow)

  Subnormality of unbounded operators via inductive limits

11:10-11:50 Dong-O Kang (Chungnam National University), Caixing Gu (California
Polytechnic State University)

  Rank of truncated Toeplitz operators