Functional Analysis

March 21st (Sat)   Conference Room VIII

10:00–12:00

07-01-0013
1   Hiroyuki Yamagishi (Tokyo Metropolitan Coll. of Indus. Tech.)   The best constant of L^p Sobolev inequality corresponding to periodic and Neumann boundary value problem for $(-1)^M (d/dx)^{2M}$ · · · · · · · · 15
    Kohtaro Watanabe
       (Nat. Defense Acad. of Japan)
    Yorimasa Oshime (Doshisha Univ.)

07-01-0021
2   Takeshi Wada (Shimane Univ.)   The Cauchy problem for nonlinear Schrödinger equation in fractional order Sobolev spaces · 15
    Makoto Nakamura (Yamagata Univ.)

07-01-0017
3   Atsuhide Ishida (Otemon Gakuin Univ.)   Non-existence of the wave operators for the repulsive Hamiltonians · · · 15

07-01-0029
4   Akito Suzuki   (Shinshu Univ.)   Hidden spectra of the discrete Schrödinger operators with density zero potentials · 15
    Shogo Ito   (Shinshu Univ.)

07-01-0020
5   Hajime Moriya (Shibaura Inst. of Tech.)   Univalence superselection rule · 10

07-01-0009
6   Shûichi Ohno (Nippon Inst. of Tech.) *   Weighted composition operators on the minimal Möbius invariant space · 10

07-01-0026
7   Hideyuki Ishi   (Nagoya Univ.) *   The Gindikin–Wallach set for a non-homogeneous cone · · · · · · · · · · · · 15

14:15–15:15   Talk Invited by Functional Analysis Section

07-02-0001
   Hidetoshi Tahara (Sophia Univ.) q-Analogues of Laplace and Borel transforms with application to q-difference equations

March 22nd (Sun)   Conference Room VIII

9:30–12:00

07-01-0006
8   Mariko Giga (Nippon Medical School)   Superadditivity and derivative of operator functions · · · · · · · · · · · · · · · 15
    Mitsuru Uchiyama (Ritsumeikan Univ.)
    Atsushi Uchiyama (Yamagata Univ.)

07-01-0027
9   Haruka Watanabe (Chiba Univ.)   Examples of operator monotone functions · 15
    Albania Nugraha Imam (Chiba Univ.)
    Masaru Nagisa   (Chiba Univ.)

07-01-0004
10 Sin-Ei Takahasi   (Toho Univ.) *   An order-preserving function on a quotient space of strictly monotone functions and its applications · 15
    Yasuo Nakasuji (Open Univ. of Japan)

07-01-0014
11 Masatoshi Ito (Maebashi Inst. of Tech.)   Shannon type inequalities of a relative operator entropy including Tsallis and Rényi ones · 15
    Hiroshi Isa (Maebashi Inst. of Tech.)
    Eizaburo Kamei
    Hiroaki Tohyama
          (Maebashi Inst. of Tech.)
    Masayuki Watanabe
          (Maebashi Inst. of Tech.)

07-01-0001
12 Yuki Seo (Osaka Kyoiku Univ.)   Hadamard product and Karcher mean of positive definite matrices · · · 10

07-01-0028
13   Toshikazu Abe (Niigata Univ.)   On generalized gyrovector spaces $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15
     <u>Osamu Hatori</u> (Niigata Univ.)

07-01-0030
14   Toshikazu Abe (Niigata Univ.)   On a Mazur–Ulam theorem for generalized gyrovector spaces and its
     <u>Osamu Hatori</u> (Niigata Univ.)   application $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0005
15   Junichi Fujii (Osaka Kyoiku Univ.)   On holonomies for the curve of the operator geometric means $\cdots\cdots\cdots$ 15

07-01-0016
16   <u>Yoichi Udagawa</u> (Tokyo Univ. of Sci.)   A family of operator means including the power, power difference and
     Shuhei Wada   Stolarsky means $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10
         (Kisarazu Nat. Coll. of Tech.)
     Takeaki Yamazaki (Toyo Univ.)
     Masahiro Yanagida
             (Tokyo Univ. of Sci.)

13:15–14:15   Talk Invited by Functional Analysis Section

07-02-0002
     Hiroyuki Osaka (Ritsumeikan Univ.)   Gap problems of matrix monotone functions and matrix convex functions and their applications

March 23rd (Mon)   Conference Room VIII

9:30–12:00

07-01-0007
17   <u>Tatsuya Tsurii</u> (Osaka Pref. Univ.)   A hypergroup arising from representations of a finite group and its
     Satoshi Kawakami (Nara Univ. of Edu.)   subgroup $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15
     Satoe Yamanaka (Nara Univ. of Edu.)

07-01-0008
18   <u>Satoe Yamanaka</u> (Nara Univ. of Edu.)   A hypergroup arising from representations of a hypergroup and its
     Satoshi Kawakami (Nara Univ. of Edu.)   subhypergroup $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15
     Tatsuya Tsurii (Osaka Pref. Univ.)

07-01-0015
19   Ryosuke Nakahama (Univ. of Tokyo)   Norm computation and analytic continuation of vector-valued holomorphic discrete series $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0010
20   Toshihisa Kubo (Univ. of Tokyo)   Covariant differential operators and the Rankin–Cohen bracket $\cdots\cdots$ 15

07-01-0022
21   Kyo Nishiyama (Aoyama Gakuin Univ.)   Enhanced orbit embedding $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0023
22   <u>Kyo Nishiyama</u> (Aoyama Gakuin Univ.)   Nilpotent variety of double flag varieties $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15
     Lucas Fresse   (Univ. Lorraine)

07-01-0025
23   Koichi Shimada (Univ. of Tokyo)   Classification of actions of compact abelian groups on subfactors with
                                              index less than 4 $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0012
24   Yosuke Morita (Univ. of Tokyo)   A topological obstruction for the existence of compact quotients of
                                              homogeneous spaces $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

14:15–16:00

07-01-0024
25   <u>Takeshi Miura</u> (Niigata Univ.)   Generalizations of multiplicatively spectrum preserving maps on function algebras $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15
     Tomas Tonev (Univ. of Montana)

07-01-0003
26   <u>Yasuo Watatani</u> (Kyushu Univ.) *   General Brenner decomposition of the relative position of three subspaces of a Hilbert space $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15
     Masatoshi Enomoto

07-01-0018
27   Yuki Arano   (Univ. of Tokyo)   A categorical approach to the Atiyah–Segal completion theorem in
     <u>Yosuke Kubota</u> (Univ. of Tokyo) KK-theory $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

3   Functional Analysis

07-01-0002
28   <u>Kengo Matsumoto</u>   *   Full groups of Cuntz–Krieger algebras and Higman–Thompson groups
       (Joetsu Univ. of Edu.)   · 15

       Hiroki Matui   (Chiba Univ.)

07-01-0019
29   <u>Tsuyoshi Kajiwara</u> (Okayama Univ.)   Analysis of the cores of C*-algebras associated dynamical systems with
       Yasuo Watatani (Kyushu Univ.)   branched points · 15

07-01-0011
30   Shuhei Masumoto (Univ. of Tokyo)   The countable chain condition and tensor products of operator algebras
       · 10

16:30–17:30   Talk Invited by Functional Analysis Section
07-02-0003
   Kenji Taniguchi   Composition series of the standard Whittaker $(\mathfrak{g}, K)$-modules
       (Aoyama Gakuin Univ.)