Functional Analysis

March 15th (Sat)　　　Conference Room II

9:30–11:50

07-01-0013
1　Kazuo Takemura (Nihon Univ.) * The best constants of discrete Sobolev inequalities on the finite d-regular weighted graph $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10

07-01-0030
2　Akito Suzuki　(Shinshu Univ.) * Spectra of graphs obtained from the d-dimensional lattice by periodically adding pendant vertices $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0008
3　Hiroyuki Yamagishi (産業技術高専)♯ The best constant of L^p Sobolev inequality corresponding to Dirichlet–
　Kohtaro Watanabe　　　　　　　Neumann boundary value problem $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10
　　(Nat. Defense Acad. of Japan)
　Yoshinori Kametaka (Osaka Univ.*)

07-01-0009
4　Hiroyuki Yamagishi (産業技術高専)♯ The best constant of discrete Sobolev inequality corresponding to a
　Atsushi Nagai　　(Nihon Univ.) bending problem of a string $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10
　Yoshinori Kametaka (Osaka Univ.*)

07-01-0025
5　Toshimitsu Takaesu (Gunma Univ.)♯ On the existence of ground state of massless ϕ^4 model with cutoffs for all values of coupling constants $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0026
6　Toshimitsu Takaesu (Gunma Univ.)♯ On the existence of ground state of relativistic quantum electrodynamics with cutoffs for all values of coupling constants $\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0028
7　Takuya Mine (Kyoto Inst. Tech.)♯ Computation of the scattering amplitude in the elliptic coordinate $\cdots$ 15

07-01-0003
8　Atsuhide Ishida (追手門学院大経済)♯ On inverse problem for the Schrödinger equation with a repulsive potential $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0038
9　Kohei Umeta (Hokkaido Univ.)♯ The global sections of the sheaf of Laplace hyperfunctions and Laplace
　Naofumi Honda (Hokkaido Univ.) transforms $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

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

07-02-0002
　Kenichi Ito　(Univ. of Tsukuba)♯ Classification of threshold properties of one-dimensional discrete Schrödinger operators

March 16th (Sun)　　　Conference Room II

10:00–11:50

07-01-0017
10　Kazufumi Kimoto (Univ. of Ryukyus)♯ Two-parameter deformation of the determinant and formulas for rectangular characters $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0032
11　Masaki Mori　(Univ. of Tokyo)♯ Cellular structure on the Hecke–Clifford superalgebra and construction of its irreducible representations $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0039
12　Akihito Wachi (Hokkaido Univ. of Edu.)♯ The strong Lefschetz property of the coinvariant algebras of complex reflection groups $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0029
13　Yuichiro Tanaka (Univ. of Tokyo)♯ Geometry of multiplicity-free representations of $SO(N)$ and visible actions $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0031
14　Toshihisa Kubo (Univ. of Tokyo)♯ The Dynkin index and parabolic subalgebras of Heisenberg type $\cdots\cdots$ 15

07-01-0040
15　Koichi Kaizuka (Univ. of Tsukuba)♯ Scattering theory for the Laplacian on symmetric spaces of noncompact type $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

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

07-02-0003
Kazuki Hiroe   (Josai Univ.)$^\sharp$ Additive Deligne–Simpson problem and root systems

March 17th (Mon)   Conference Room II

9:30–12:00

07-01-0036
16   Satoshi Goto   (Sophia Univ.)$^\sharp$ Computation of flat parts of inter-Dynkin connections $\cdots\cdots\cdots\cdots$ 15

07-01-0005
17   Hiroshi Ando (Univ. of Copenhagen)$^\sharp$ Ultraproducts, QWEP von Neumann algebras and the Effros–Maréchal
Uffe Haagerup (Univ. Copenhagen)   topology $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15
Carl Winsløw (Univ. Copenhagen)

07-01-0016
18   Koichi Shimada (Univ. of Tokyo)$^\sharp$ Actions of locally compact abelian groups with the Rohlin property on
factors $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0010
19   Rui Okayasu (Osaka Kyoiku Univ.)$^\sharp$ Haagerup approximation property for arbitrary von Neumann algebras
$\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0015
20   Hisashi Aoi (Ritsumeikan Univ.)$^\sharp$ Schlichting completion of Hecke pairs $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15
Takehiko Yamanouchi (東京学大自然)

07-01-0037
21   Masato Mimura (Tohoku Univ.)* Group approximation in Cayley topology and coarse geometry, Part II:
Hiroki Sako   (Tokai Univ.)   fibered coarse embedding $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0012
22   Norio Nawata   (Chiba Univ.)$^\sharp$ Finite group actions on certain stably projectionless C*-algebras with
the Rohlin property $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0019
23   Takahiro Sudo (Univ. of Ryukyus)$^\sharp$ The Euler characteristic and the Euler–Poincaré formula for C^*-algebras
$\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

14:15–15:00

07-01-0020
24   Tsuyoshi Kajiwara (Okayama Univ.)$^\sharp$ Matrix representations and K-groups of the cores of C*-algebras as-
Yasuo Watatani (Kyushu Univ.)   sociated with self-similar maps $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0034
25   Hiroyasu Hamada (Kyushu Univ.)$^\sharp$ C*-algebras generated by composition operators induced by rational
functions $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0011
26   Kei Ji Izuchi   (Niigata Univ.)* Path connected components in the space of weighted composition op-
Yuko Izuchi   erators on the disk algebra $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15
Shûichi Ohno (Nippon Inst. of Tech.)

15:15–16:15   Award Lecture for 2013 Analysis Prize

07-02-0001
Yasuo Watatani (Kyushu Univ.)$^\sharp$ Singularities in operator algebras

16:30–17:30   Talk invited by Functional Analysis Section

07-02-0004
Sei-Ichiro Ueki (Ibaraki Univ.)$^\sharp$ Composition and Integral operators on Bargmann–Fock spaces

March 18th (Tue)   Conference Room II

10:00–11:40

07-01-0002
27   Wataru Ichinose (Shinshu Univ.)$^\sharp$ On the uniqueness of the polar decomposition of bounded operators in
Kanako Iwashita (Shinshu Univ.)   Hilbert spaces $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

07-01-0018
28   Yuki Seo (Osaka Kyoiku Univ.)$^\sharp$ Buzano inequality in inner product C^*-modules via the operator geo-
metric mean $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10

3   Functional Analysis