Topology

March 21st (Sat)   Conference Room IVa

9:30–12:00

10-01-0024
1   Shouta Tounai (Univ. of Tokyo) *   Homotopy types of Frobenius complexes ························· 10

10-01-0021
2   Ryo Kato   (Kochi Univ.)   On harmonic invertible spectra ································ 10
    Katsumi Shimomura (Kochi Univ.)

10-01-0034
3   Masaki Nakagawa (Okayama Univ.)   A Gysin formula for the universal Schur functions ·················· 15
    Hiroshi Naruse (Okayama Univ.)

10-01-0043
4   Takahito Naito (Univ. of Tokyo)   The Sullivan's coproduct on the homology of free loop spaces ········ 10

10-01-0033
5   Misako Yokoyama (Shizuoka Univ.)   The fundamental pregroupoids, the fundamental semi-groups, and the fundamental groupoids of orbifolds ······························ 15

10-01-0011
6   Satoshi Murai   (Osaka Univ.)   On tight triangulations of products of spheres ····················· 15

10-01-0030
7   Shosaku Matsuzaki (Waseda Univ.)   Impossibility of embeddings of 2-dimensional complexes into the 3-sphere ·· 10
    Makoto Ozawa (Komazawa Univ.)

10-01-0018
8   Michihiko Fujii   (Kyoto Univ.)   The growth series for pure Artin groups of dihedral type ············ 10

10-01-0044
9   Motoko Kato (Univ. of Tokyo)   The relative number of ends of the higher-dimensional Thompson groups ··· 10

10-01-0051
10   Kentaro Saji   (Kobe Univ.)   Geometric foliations on a cuspidal edge ························· 10
    Luciana de Fátima Martins
        (São Paulo State Univ.)

14:15–15:30

10-01-0005
11   Miho Hatanaka (Osaka City Univ.)   Spin toric manifolds associated to pseudographs ·················· 15

10-01-0027
12   Hideya Kuwata (Osaka City Univ.)   On finiteness of global sections of a certain line bundle on a nice topological toric manifold ······································· 10

10-01-0036
13   Kazumasa Inaba (Tohoku Univ.)   On deformations of isolated singularities of polar weighted homogeneous mixed polynomials ·· 15

10-01-0049
14   Takefumi Nosaka (Kyushu Univ.)   Ddiagrammatic computation for the Blanchfield pairing and twisted Milnor signature ··· 15

15:45–16:45   Talk Invited by Topology Section

10-02-0002
    Shoji Yokura (Kagoshima Univ.)   On characteristic classes of singular spaces —from a viewpoint of counting—

March 22nd (Sun)   Conference Room IVb

9:30–12:00

10-01-0008
15   Hisashi Kasuya   (Tokyo Tech) ♭   Cohomology of polycyclic groups and algebraic groups ·············· 15

10-01-0009
16   Hisashi Kasuya   (Tokyo Tech) ♭   Cohomology of algebraic groups and Sullivan's minimal models ······ 15

10-01-0010
17   Hisashi Kasuya   (Tokyo Tech) ♭   Cohomology of proalgebraic groups and 1-minimal models ··········· 10

10-01-0004
18 <u>Tatsuhiko Yagasaki</u> (Kyoto Inst. Tech.)   Diffeomorphism groups of non-compact manifolds endowed with the
    Taras Banakh   Whitney C^∞-topology $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15
    (Ivan Franko Nat. Univ. of Lviv)

10-01-0041
19 Katsuhisa Koshino (Univ. of Tsukuba)   The property of being a Baire space of certain function space $\cdots\cdots\cdots$ 15

10-01-0031
20 Naoki Kato   (Univ. of Tokyo)   Lie foliations transversely modeled on nilpotent Lie algebras $\cdots\cdots\cdots$ 15

10-01-0032
21 Naoki Kato   (Univ. of Tokyo)   Classification of solvable Lie flows of codimension 3 $\cdots\cdots\cdots\cdots\cdots$ 15

10-01-0045
22 Atsuhide Mori (Osaka City Univ.) *   Spinnable foliations of the 5-sphere $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

13:15–14:15   Talk Invited by Topology Section
10-02-0003
    Anton Alekseev (Univ. of Geneva)   Geometry and Topology of Lie-group valued moment maps

March 23rd (Mon)   Conference Room IVa

9:30–12:00
10-01-0013
23 Erika Kuno   (Osaka Univ.)   Uniform hyperbolicity for curve graphs of nonorientable surfaces $\cdots\cdots$ 10

10-01-0042
24 Yuichi Kabaya   (Kyoto Univ.)   Exotic components in linear slices of quasi-Fuchsian groups $\cdots\cdots\cdots\cdots$ 15

10-01-0019
25 <u>Kenta Hayano</u> (Hokkaido Univ.)   Multisections of Lefschetz fibrations and topology of symplectic 4-
    Refik ˙ Inanç Baykur   manifolds $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15
        (Univ. of Massachusetts)

10-01-0035
26 Takayuki Morifuji (Keio Univ.)   Reducibility of automorphisms of Hurwitz surfaces and the η-invariant
                                        $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10

10-01-0050
27 <u>Naoyuki Monden</u>   Positive factorizations of mapping classes $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15
        (Osaka Electro-Comm. Univ.)
    R. Inanc Baykur
        (Univ. of Massachusetts)
    Jeremy Van Horn-Morris
        (Univ. of Arkansas)

10-01-0040
28 Jun Murakami (Waseda Univ.)   Volumes of hyperbolic and spherical polyhedrons $\cdots\cdots\cdots\cdots\cdots\cdots$ 10

10-01-0046
29 Ken'ichi Yoshida (Univ. of Tokyo)   Stable presentation length of 3-manifold groups $\cdots\cdots\cdots\cdots\cdots\cdots$ 15

10-01-0007
30 Teruaki Kitano   (Soka Univ.)   Reidemeister torsion of a homology 3-sphere obtained by $\frac{1}{n}$-Dehn
                                        surgery along the figure-eight knot for $SL(2,\mathbb{C})$-irreducibe represen-
                                        tation $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10

10-01-0038
31 Yoshikazu Yamaguchi (Akita Univ.)   The asymptotics of the Reidemeister torsion for Seifert manifolds and
                                        $PSL_2(\mathbb{R})$-representations of Fuchsian groups $\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10

14:15–16:45
10-01-0020
32 Shunsuke Tsuji (Univ. of Tokyo) *   The action of Dehn twists and the Johnson kernel on the skein modules
                                        $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10

10-01-0025
33 Wataru Yuasa   (Tokyo Tech) *   Skein quantization and Poisson algebras of curves on bordered surfaces
                                        $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10

10-01-0015
34 Nariya Kawazumi (Univ. of Tokyo)   A tensorial description of the Turaev cobracket on compact genus 0
                                        surfaces $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

10-01-0048
35 Takefumi Nosaka (Kyushu Univ.)   Finite presentations of centrally extended mapping class groups $\cdots\cdots$ 10

3   Topology

17:00–18:00   Talk Invited by Topology Section

March 24th (Tue)   Conference Room IVa

9:30–12:00