

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.) Katsumi Shimomura (Kochi Univ.)	On harmonic invertible spectra	10
10-01-0034	3	Masaki Nakagawa (Okayama Univ.) Hiroshi Naruse (Okayama Univ.)	A Gysin formula for the universal Schur functions	15
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.) Makoto Ozawa (Komazawa Univ.)	Impossibility of embeddings of 2-dimensional complexes into the 3- sphere	10
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.) Luciana de Fátima Martins (São Paulo State Univ.)	Geometric foliations on a cuspidal edge	10

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—	
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March 22nd (Sun) Conference Room IVb

9:30–12:00

10-01-0008	15	Hisashi Kasuya (Tokyo Tech) ^b	Cohomology of polycyclic groups and algebraic groups	15
10-01-0009	16	Hisashi Kasuya (Tokyo Tech) ^b	Cohomology of algebraic groups and Sullivan's minimal models	15
10-01-0010	17	Hisashi Kasuya (Tokyo Tech) ^b	Cohomology of proalgebraic groups and 1-minimal models	10

10-01-0004	18	<u>Tatsuhiko Yagasaki</u> (Kyoto Inst. Tech.) Taras Banakh (Ivan Franko Nat. Univ. of Lviv)	Diffeomorphism groups of non-compact manifolds endowed with the Whitney C^∞ -topology	15
10-01-0041	19	<u>Katsuhisa Koshino</u> (Univ. of Tsukuba)	The property of being a Baire space of certain function space	15
10-01-0031	20	<u>Naoki Kato</u> (Univ. of Tokyo)	Lie foliations transversely modeled on nilpotent Lie algebras	15
10-01-0032	21	<u>Naoki Kato</u> (Univ. of Tokyo)	Classification of solvable Lie flows of codimension 3	15
10-01-0045	22	<u>Atsuhide Mori</u> (Osaka City Univ.) *	Spinnable foliations of the 5-sphere	15

13:15–14:15 Talk Invited by Topology Section

10-02-0003		<u>Anton Alekseev</u> (Univ. of Geneva)	Geometry and Topology of Lie-group valued moment maps	
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March 23rd (Mon) Conference Room IVa

9:30–12:00

10-01-0013	23	<u>Erika Kuno</u> (Osaka Univ.)	Uniform hyperbolicity for curve graphs of nonorientable surfaces	10
10-01-0042	24	<u>Yuichi Kabaya</u> (Kyoto Univ.)	Exotic components in linear slices of quasi-Fuchsian groups	15
10-01-0019	25	<u>Kenta Hayano</u> (Hokkaido Univ.) Refik Inanç Baykur (Univ. of Massachusetts)	Multisections of Lefschetz fibrations and topology of symplectic 4-manifolds	15
10-01-0035	26	<u>Takayuki Morifuji</u> (Keio Univ.)	Reducibility of automorphisms of Hurwitz surfaces and the η -invariant	10
10-01-0050	27	<u>Naoyuki Monden</u> (Osaka Electro-Comm. Univ.) R. Inanc Baykur (Univ. of Massachusetts) Jeremy Van Horn-Morris (Univ. of Arkansas)	Positive factorizations of mapping classes	15
10-01-0040	28	<u>Jun Murakami</u> (Waseda Univ.)	Volumes of hyperbolic and spherical polyhedrons	10
10-01-0046	29	<u>Ken'ichi Yoshida</u> (Univ. of Tokyo)	Stable presentation length of 3-manifold groups	15
10-01-0007	30	<u>Teruaki Kitano</u> (Soka Univ.)	Reidemeister torsion of a homology 3-sphere obtained by $\frac{1}{n}$ -Dehn surgery along the figure-eight knot for $SL(2, \mathbb{C})$ -irreducible representation	10
10-01-0038	31	<u>Yoshikazu Yamaguchi</u> (Akita Univ.)	The asymptotics of the Reidemeister torsion for Seifert manifolds and $PSL_2(\mathbb{R})$ -representations of Fuchsian groups	10
14:15–16:45				
10-01-0020	32	<u>Shunsuke Tsuji</u> (Univ. of Tokyo) *	The action of Dehn twists and the Johnson kernel on the skein modules	10
10-01-0025	33	<u>Wataru Yuasa</u> (Tokyo Tech) *	Skein quantization and Poisson algebras of curves on bordered surfaces	10
10-01-0015	34	<u>Nariya Kawazumi</u> (Univ. of Tokyo)	A tensorial description of the Turaev cobracket on compact genus 0 surfaces	15
10-01-0048	35	<u>Takefumi Nosaka</u> (Kyushu Univ.)	Finite presentations of centrally extended mapping class groups	10

10-01-0022	36	Ryoma Kobayashi (Tokyo Univ. of Sci.)	On a finite presentation of the level 2 principal congruence subgroup of $GL(n; \mathbb{Z})$	15
10-01-0026	37	Ryoma Kobayashi (Tokyo Univ. of Sci.) Susumu Hirose (Tokyo Univ. of Sci.)	On a normally generating set for the Torelli group of a non-orientable closed surface	15
10-01-0016	38	Genki Omori (Tokyo Tech) Ryoma Kobayashi (Tokyo Univ. of Sci.)	A finite presentation for the automorphism group of the first homology of a non-orientable surface over \mathbb{Z}_2 preserving the mod 2 intersection form	15
10-01-0014	39	Takuya Sakasai (Univ. of Tokyo) Masaaki Suzuki (Meiji Univ.) Shigeyuki Morita (Univ. of Tokyo*/Tokyo Tech*)	On a structure of the symplectic derivation Lie algebra of genus 1	15
10-01-0006	40	Yuta Nozaki (Univ. of Tokyo)	An extension of the LMO functor	15

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

10-02-0001		Yusuke Kuno (Tsuda Coll.)*	Fatgraph complexes and mapping class groups	
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March 24th (Tue) Conference Room IVa

9:30–12:00

10-01-0017	41	Keiji Tagami (Tokyo Tech) Tetsuya Abe (Tokyo Tech)	Annulus presentations compatible with fiber surfaces	10
10-01-0012	42	Eiji Ogasa (Meiji Gakuin Univ.)	Local moves on knots and products of knots	10
10-01-0003	43	Kanako Oshiro (Sophia Univ.)	An interpretation of finite-degree connected Alexander quandle colorings	10
10-01-0023	44	Makoto Ozawa (Komazawa Univ.) Yuya Koda (Hiroshima Univ.)	Knot homotopy in subspaces of the 3-sphere	10
10-01-0028	45	Yusuke Takimura (Gakushuin Boy's Junior High School) noboru Ito (Waseda Univ.)	Sub-chord diagrams of knot projections	10
10-01-0029	46	Shosaku Matsuzaki (Waseda Univ.) Noboru Ito (Waseda Univ.)	Circle arrangements on spherical curves	10
10-01-0047	47	Tetsuya Abe (Tokyo Tech) ^b Keiji Tagami (Tokyo Tech)	Fibered knots with the same 0-surgery and the slice-ribbon conjecture	15
10-01-0039	48	Motoo Tange (Univ. of Tsukuba)	A traversable theorem of Alexander polynomial of lens space knot	15
10-01-0001	49	Masakazu Teragaito (Hiroshima Univ.)	Quasi-alternating links and Q -polynomials	10
10-01-0002	50	Taizo Kanenobu (Osaka City Univ.)	Oriented Gordian distance of two-component links	10
10-01-0037	51	Kazuhiro Ichihara (Nihon Univ.) Yuki Temma (Nihon Univ.)	Non left-orderable surgeries on twisted torus knots	10