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トポロジー

3月21日(土) 第IVa会場

9:30~12:00

- | | | | |
|------------|----------------------------------|---|----|
| 10-01-0024 | 1 藤内 翔太 (東大数理)* | フロベニウス複体のホモトピー型 | 10 |
| | Shouta Tounai (Univ. of Tokyo) | Homotopy types of Frobenius complexes | |
| 10-01-0021 | 2 加藤 諒 (高知大総合人間自然) | On harmonic invertible spectra | 10 |
| | 下村 克己 (高知大理) | | |
| | Ryo Kato (Kochi Univ.) | On harmonic invertible spectra | |
| | Katsumi Shimomura (Kochi Univ.) | | |
| 10-01-0034 | 3 中川 征樹 (岡山大教育) | 普遍 Schur 関数に対する Gysin の公式 | 15 |
| | 成瀬 弘 (岡山大教育) | | |
| | Masaki Nakagawa (Okayama Univ.) | A Gysin formula for the universal Schur functions | |
| | Hiroshi Naruse (Okayama Univ.) | | |
| 10-01-0043 | 4 内藤 貴仁 (東大数理) | The Sullivan's coproduct on the homology of free loop spaces | 10 |
| | Takahito Naito (Univ. of Tokyo) | The Sullivan's coproduct on the homology of free loop spaces | |
| 10-01-0033 | 5 横山美佐子 (静岡大理) | 軌道体の基本前亜群 (圏)、基本半群、基本亜群 | 15 |
| | Misako Yokoyama (Shizuoka Univ.) | The fundamental pregroupoids, the fundamental semi-groups, and the fundamental groupoids of orbifolds | |
| 10-01-0011 | 6 村井 聡 (阪大情報) | 球面の直積の tight な単体分割について | 15 |
| | Satoshi Murai (Osaka Univ.) | On tight triangulations of products of spheres | |
| 10-01-0030 | 7 松崎 尚作 (早大教育) | Impossibility of embeddings of 2-dimensional complexes into the 3-sphere | 10 |
| | 小沢 誠 (駒澤大総合) | | |
| | Shosaku Matsuzaki (Waseda Univ.) | Impossibility of embeddings of 2-dimensional complexes into the 3-sphere | |
| | Makoto Ozawa (Komazawa Univ.) | | |
| 10-01-0018 | 8 藤井 道彦 (京大理) | The growth series for pure Artin groups of dihedral type | 10 |
| | Michihiko Fujii (Kyoto Univ.) | The growth series for pure Artin groups of dihedral type | |
| 10-01-0044 | 9 加藤 本子 (東大数理) | The relative number of ends of the higher-dimensional Thompson groups | 10 |
| | Motoko Kato (Univ. of Tokyo) | The relative number of ends of the higher-dimensional Thompson groups | |

10-01-0051	10 佐治健太郎 (神戸大理)	カस्प辺の近くでの幾何的模様	10
	ルシアナマルティンス (São Paulo State Univ.)		
	Kentaro Saji (Kobe Univ.)	Geometric foliations on a cuspidal edge	
	Luciana de Fátima Martins (São Paulo State Univ.)		
14:15~15:30			
10-01-0005	11 畑中美帆 (阪市大理)	Pseudographs に対応するスピントリック多様体	15
	Miho Hatanaka (Osaka City Univ.)	Spin toric manifolds associated to pseudographs	
10-01-0027	12 鎌田英也 (阪市大理)	On finiteness of global sections of a certain line bundle on a nice topological toric manifold	10
	Hideya Kuwata (Osaka City Univ.)	On finiteness of global sections of a certain line bundle on a nice topological toric manifold	
10-01-0036	13 稲葉和正 (東北大理)	On deformations of isolated singularities of polar weighted homogeneous mixed polynomials	15
	Kazumasa Inaba (Tohoku Univ.)	On deformations of isolated singularities of polar weighted homogeneous mixed polynomials	
10-01-0049	14 野坂武史 (九大数理)	Blanchfield pairing と捩れ Milnor 符号数の図的計算法	15
	Takefumi Nosaka (Kyushu Univ.)	Ddiagrammatic computation for the Blanchfield pairing and twisted Milnor signature	
15:45~16:45 特別講演			
10-02-0002	與倉昭治 (鹿児島大理)	特異空間の特性類について —数え上げの観点から—	
	Shoji Yokura (Kagoshima Univ.)	On characteristic classes of singular spaces —from a viewpoint of counting—	
3月22日(日) 第IVb会場			
9:30~12:00			
10-01-0008	15 糟谷久矢 (東工大理工) ^b	Cohomology of polycyclic groups and algebraic groups	15
	Hisashi Kasuya (Tokyo Tech)	Cohomology of polycyclic groups and algebraic groups	
10-01-0009	16 糟谷久矢 (東工大理工) ^b	Cohomology of algebraic groups and Sullivan's minimal models	15
	Hisashi Kasuya (Tokyo Tech)	Cohomology of algebraic groups and Sullivan's minimal models	
10-01-0010	17 糟谷久矢 (東工大理工) ^b	Cohomology of proalgebraic groups and 1-minimal models	10
	Hisashi Kasuya (Tokyo Tech)	Cohomology of proalgebraic groups and 1-minimal models	
10-01-0004	18 矢ヶ崎達彦 (京都工繊大工芸)	Diffeomorphism groups of non-compact manifolds endowed with the Whitney C^∞ -topology	15
	T. Banakh (Ivan Franko Nat. Univ. of Lviv)		
	Tatsuhiko Yagasaki (Kyoto Inst. Tech.)	Diffeomorphism groups of non-compact manifolds endowed with the Whitney C^∞ -topology	
	Taras Banakh (Ivan Franko Nat. Univ. of Lviv)		
10-01-0041	19 越野克久 (筑波大数理物質)	The property of being a Baire space of certain function space	15
	Katsuhisa Koshino (Univ. of Tsukuba)	The property of being a Baire space of certain function space	

10-01-0031	20 加藤 直樹 (東大数理)	Lie foliations transversely modeled on nilpotent Lie algebras	15
	Naoki Kato (Univ. of Tokyo)	Lie foliations transversely modeled on nilpotent Lie algebras	
10-01-0032	21 加藤 直樹 (東大数理)	Classification of solvable Lie flows of codimension 3	15
	Naoki Kato (Univ. of Tokyo)	Classification of solvable Lie flows of codimension 3	
10-01-0045	22 森 淳秀 (阪市大数学研)*	5次元球面の回転可能葉層	15
	Atsuhide Mori (Osaka City Univ.)	Spinnable foliations of the 5-sphere	
13:15~14:15 特別講演			
10-02-0003	A. Alekseev (Univ. of Geneva)	Geometry and Topology of Lie-group valued moment maps	
	Anton Alekseev (Univ. of Geneva)	Geometry and Topology of Lie-group valued moment maps	
3月23日(月) 第IVa会場			
9:30~12:00			
10-01-0013	23 久野恵理香 (阪大理)	向き付け不可能曲面の curve graph の一様双曲性	10
	Erika Kuno (Osaka Univ.)	Uniform hyperbolicity for curve graphs of nonorientable surfaces	
10-01-0042	24 蒲谷 祐一 (京大理)	Exotic components in linear slices of quasi-Fuchsian groups	15
	Yuichi Kabaya (Kyoto Univ.)	Exotic components in linear slices of quasi-Fuchsian groups	
10-01-0019	25 早野 健太 (北大理)	レフシェッツ束の多重切断とシンプレクティック4次元多様体のトポロジー	15
	R. I. Baykur (Univ. of Massachusetts)		
	Kenta Hayano (Hokkaido Univ.)	Multisections of Lefschetz fibrations and topology of symplectic 4-manifolds	
	Refik Inanç Baykur (Univ. of Massachusetts)		
10-01-0035	26 森藤 孝之 (慶大経済)	Hurwitz 曲面の自己同型の可約性と η -不変量	10
	Takayuki Morifuji (Keio Univ.)	Reducibility of automorphisms of Hurwitz surfaces and the η -invariant	
10-01-0050	27 門田 直之 (大阪電通大工)	Positive factorizations of mapping classes	15
	R. Inanc Baykur (Univ. of Massachusetts)		
	J. Van Horn-Morris (Univ. of Arkansas)		
	Naoyuki Monden (Osaka Electro-Comm. Univ.)	Positive factorizations of mapping classes	
	R. Inanc Baykur (Univ. of Massachusetts)		
	Jeremy Van Horn-Morris (Univ. of Arkansas)		
10-01-0040	28 村上 順 (早大理工)	Volumes of hyperbolic and spherical polyhedrons	10
	Jun Murakami (Waseda Univ.)	Volumes of hyperbolic and spherical polyhedrons	
10-01-0046	29 吉田 建一 (東大数理)	Stable presentation length of 3-manifold groups	15
	Ken'ichi Yoshida (Univ. of Tokyo)	Stable presentation length of 3-manifold groups	

- 10-01-0007
30 北野 晃 朗 (創 価 大 工) 8 の字結び目を Dehn 手術して得られるホモロジー球面の $SL(2, \mathbb{C})$ -既約表現に対応する Reidemeister torsion について 10
Teruaki Kitano (Soka Univ.) Reidemeister torsion of a homology 3-sphere obtained by $\frac{1}{n}$ -Dehn surgery along the figure-eight knot for $SL(2, \mathbb{C})$ -irreducible representation
- 10-01-0038
31 山口 祥 司 (秋田大教育文化) The asymptotics of the Reidemeister torsion for Seifert manifolds and $PSL_2(\mathbb{R})$ -representations of Fuchsian groups 10
Yoshikazu Yamaguchi (Akita Univ.) The asymptotics of the Reidemeister torsion for Seifert manifolds and $PSL_2(\mathbb{R})$ -representations of Fuchsian groups
- 14:15~16:45**
- 10-01-0020
32 辻 俊 輔 (東 大 数 理)* デーン・ツイストとジョンソン核のスkein加群への作用 10
Shunsuke Tsuji (Univ. of Tokyo) The action of Dehn twists and the Johnson kernel on the skein modules
- 10-01-0025
33 湯 浅 亘 (東 工 大 理 工)* Skein quantization and Poisson algebras of curves on bordered surfaces 10
Wataru Yuasa (Tokyo Tech) Skein quantization and Poisson algebras of curves on bordered surfaces
- 10-01-0015
34 河 澄 響 矢 (東 大 数 理) 種数 0 コンパクト曲面上の Turaev 余括弧積のテンソル表示 15
Nariya Kawazumi (Univ. of Tokyo) A tensorial description of the Turaev cobracket on compact genus 0 surfaces
- 10-01-0048
35 野 坂 武 史 (九 大 数 理) 写像類群の中心拡大に関する有限表示 10
Takefumi Nosaka (Kyushu Univ.) Finite presentations of centrally extended mapping class groups
- 10-01-0022
36 小 林 竜 馬 (東 京 理 大 理 工) $GL(n; \mathbb{Z})$ の level 2 主合同部分群の有限表示について 15
Ryoma Kobayashi (Tokyo Univ. of Sci.) On a finite presentation of the level 2 principal congruence subgroup of $GL(n; \mathbb{Z})$
- 10-01-0026
37 小 林 竜 馬 (東 京 理 大 理 工) 非有向閉曲面の Torelli 群の正規生成系について 15
廣 瀬 進 (東 京 理 大 理 工) Ryoma Kobayashi (Tokyo Univ. of Sci.) On a normally generating set for the Torelli group of a non-orientable closed surface
Susumu Hirose (Tokyo Univ. of Sci.)
- 10-01-0016
38 大 森 源 城 (東 工 大 理 工) 非有向閉曲面の \mathbb{Z}_2 係数 1 次ホモロジー上の mod 2 交叉形式を保つ自己同型群の有限表示 15
小 林 竜 馬 (東 京 理 大 理 工) Genki Omori (Tokyo Tech) 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
Ryoma Kobayashi (Tokyo Univ. of Sci.)
- 10-01-0014
39 逆 井 卓 也 (東 大 数 理) On a structure of the symplectic derivation Lie algebra of genus 1 15
鈴木 正 明 (明大総合数理) Masaaki Suzuki (Meiji Univ.)
森 田 茂 之 (東大*・東工大*) Shigeyuki Morita (Univ. of Tokyo*/Tokyo Tech*)
Takuya Sakasai (Univ. of Tokyo)
- 10-01-0006
40 野 崎 雄 太 (東 大 数 理) An extension of the LMO functor 15
Yuta Nozaki (Univ. of Tokyo) An extension of the LMO functor
- 17:00~18:00 特別講演**
- 10-02-0001
久 野 雄 介 (津田塾大学芸)* Fatgraph complexes and mapping class groups
Yusuke Kuno (Tsuda Coll.) Fatgraph complexes and mapping class groups

3月24日(火) 第IVa会場

9:30~12:00

10-01-0017	41 田神慶士 (東工大理工) 安部哲哉 (東工大理工) Keiji Tagami (Tokyo Tech) Tetsuya Abe (Tokyo Tech)	Annulus presentations compatible with fiber surfaces 10 Annulus presentations compatible with fiber surfaces
10-01-0012	42 小笠英志 (明治学院大) Eiji Ogasa (Meiji Gakuin Univ.)	結び目の局所操作と結び目の積 10 Local moves on knots and products of knots
10-01-0003	43 大城佳奈子 (上智大理工) Kanako Oshiro (Sophia Univ.)	An interpretation of finite-degree connected Alexander quandle colorings 10 An interpretation of finite-degree connected Alexander quandle colorings
10-01-0023	44 小沢誠 (駒澤大総合) 古宇田悠哉 (広島大理) Makoto Ozawa (Komazawa Univ.) Yuya Koda (Hiroshima Univ.)	Knot homotopy in subspaces of the 3-sphere 10 Knot homotopy in subspaces of the 3-sphere
10-01-0028	45 瀧村祐介 (学習院中) 伊藤昇 (早大高等研) Yusuke Takimura (Gakushuin Boy's Junior High School) noboru Ito (Waseda Univ.)	Sub-chord diagrams of knot projections 10 Sub-chord diagrams of knot projections
10-01-0029	46 松崎尚作 (早大教育) 伊藤昇 (早大高等研) Shosaku Matsuzaki (Waseda Univ.) Noboru Ito (Waseda Univ.)	Circle arrangements on spherical curves 10 Circle arrangements on spherical curves
10-01-0047	47 安部哲哉 (東工大理工) 田神慶士 (東工大理工) Tetsuya Abe (Tokyo Tech) Keiji Tagami (Tokyo Tech)	Fibered knots with the same 0-surgery and the slice-ribbon conjecture 15 Fibered knots with the same 0-surgery and the slice-ribbon conjecture
10-01-0039	48 丹下基生 (筑波大数理物質) Motoo Tange (Univ. of Tsukuba)	レンズ空間結び目の Alexander 多項式の係数に関する横断性定理 15 A traversable theorem of Alexander polynomial of lens space knot
10-01-0001	49 寺垣内政一 (広島大教育) Masakazu Teragaito (Hiroshima Univ.)	擬交代絡み目と Q 多項式 10 Quasi-alternating links and Q -polynomials
10-01-0002	50 金信泰造 (阪市大理) Taizo Kanenobu (Osaka City Univ.)	向きの付いた 2 成分絡み目の交差交換距離 10 Oriented Gordian distance of two-component links
10-01-0037	51 市原一裕 (日大文理) 天摩由貴 (日大文理) Kazuhiro Ichihara (Nihon Univ.) Yuki Temma (Nihon Univ.)	ねじれトーラス結び目に沿った左順序付不可能手術 10 Non left-orderable surgeries on twisted torus knots