

Geometry

March 21st (Sat) Conference Room IIIa

9:50–12:00

- 03-01-0019
1 Hirotaka Ebisui (Oval Research Center) Drawing theorem and some compositions on the tangent of Doval (algebraic 4th order curve) 5
- 03-01-0021
2 Hirotaka Ebisui (Oval Research Center) 5 compositions of star star theorem 5
- 03-01-0017
3 Hiroaki Izumi (Hiroshima Univ.) Mathematical formulization of phase transition and a branch of a concept or a power 10
- 03-01-0052
4 Tomonori Fukunaga (Kyushu Sangyo Univ.)
Masatomo Takahashi (Muroran Inst. of Tech.) On convexity of frontals in the Euclidean plane 15
- 03-01-0049
5 Shun'ichi Honda (Muroran Inst. of Tech.)
Masatomo Takahashi (Muroran Inst. of Tech.) Evolutes of framed curves in the Euclidean space 15
- 03-01-0010
6 Kenji Kajiwara (Kyushu Univ.)
Toshinobu Kuroda (Kyushu Univ.)
Nozomu Matsuura (Fukuoka Univ.) Conformal deformation of discrete plane curves and discrete Burgers hierarchy I 10
- 03-01-0009
7 Nozomu Matsuura (Fukuoka Univ.)
Kenji Kajiwara (Kyushu Univ.)
Toshinobu Kuroda (Kyushu Univ.) Conformal deformation of discrete plane curves and discrete Burgers hierarchy II 10
- 03-01-0046
8 Tomoshige Yukita (Waseda Univ.) Classification of hyperbolic Coxeter polytopes with 6 faces and their growth rates 15
- 03-01-0053
9 Yohei Komori (Waseda Univ.) Coxeter garlands and 2-Salem numbers 15

14:15–15:40

- 03-01-0060
10 Atsufumi Honda (Miyakonojo Nat. Coll. of Tech.) * Duality of singularities for spacelike CMC surfaces in Minkowski space 10
- 03-01-0028
11 Makoto Sakaki (Hirosaki Univ.) * On the structure equations and the curvature ellipse of minimal surfaces in product spaces 10
- 03-01-0031
12 Norihisa Ikoma (Tohoku Univ.) *
Andrea Malchiodi (SISSA)
Andrea Mondino (ETH, Zürich) Existence of Willmore type tori with small area 15
- 03-01-0057
13 Katsuhiro Moriya (Univ. of Tsukuba) Simple factor dressing of a minimal surface 10
- 03-01-0029
14 Yu Kawakami (Kanazawa Univ.)
Reiko Aiyama (Univ. of Tsukuba)
Kazuo Akutagawa (Tokyo Tech) The Gauss map and total curvature of complete minimal Lagrangian surfaces in the complex two-space 15
- 03-01-0032
15 Katsuei Kenmotsu (Tohoku Univ.)* The classification of the surfaces with parallel mean curvature vector in two-dimensional complex space forms, revisited 15

15:50–16:50 Talk Invited by Geometry Section

03-02-0002

Nozomu Matsuura (Fukuoka Univ.) Deformations of discrete curves

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

03-02-0003

Wenjiao Yan ^b Isoparametric foliation and Yau's conjecture on the first eigenvalue
(Tohoku Univ./Beijing Normal Univ.)

March 22nd (Sun) Conference Room IIIb

9:30–12:00

03-01-0007

16 Tuerxunmaimaiti Yaermaimaiti * (p, q) -Laplacians of regular Kaehler graphs 15
(Nagoya Inst. of Tech.)
Toshiaki Adachi (Nagoya Inst. of Tech.)

03-01-0016

17 Keita Kunikawa (Tohoku Univ.) Bernstein theorem for ancient solutions to the mean curvature flow
..... 10

03-01-0034

18 Keita Kunikawa (Tohoku Univ.) Bernstein theorem of translating solitons in higher codimension 10

03-01-0039

19 Hajime Koba (Waseda Univ.) * On fluid-flow on an evolving hypersurface 15
Yoshikazu Giga (Univ. of Tokyo)
Chun Liu (Pennsylvania State Univ.)

03-01-0038

20 Tatsuyoshi Hamada On star-Ricci flat real hypersurfaces of complex space forms 10
(Fukuoka Univ./Osaka City Univ.)

03-01-0004

21 Makoto Kimura (Ibaraki Univ.) Gauss map of real hypersurfaces in complex projective space and submanifolds in complex 2-plane Grassmannian 15

03-01-0003

22 Sadahiro Maeda (Saga Univ.) * Some remarks on ruled real hypersurfaces in a nonflat complex space form 15
Toshiaki Adachi (Nagoya Inst. of Tech.)

03-01-0008

23 Kazuyuki Hasegawa (Kanazawa Univ.) Twistor holomorphic affine surfaces and projective invariants 10

03-01-0058

24 Masaro Takahashi
(Kurume Nat. Coll. of Tech.) Holomorphic isometric embeddings of the projective line into quadrics
..... 15
Oscar Macia (Univ. of Valencia)
Yasuyuki Nagatomo (Meiji Univ.)**13:00–14:15**

03-01-0024

25 Naoyuki Koike (Tokyo Univ. of Sci.) Homogeneity by a Banach Lie group action of infinite dimensional anti-Kähler isoparametric submanifolds 15

03-01-0012

26 Kotaro Kawai (Univ. of Tokyo) Some associative submanifolds of the squashed 7-sphere 15

03-01-0056

27 Hideya Hashimoto (Meijo Univ.) On G_2 , $Spin(7)$ -orbit decomposition of Stiefel manifolds related to Octonions and its applications 10
Misa Ohashi (Nagoya Inst. of Tech.)

03-01-0054

28 Takayuki Okuda (Hiroshima Univ.) The intersection of two real flag manifolds in a complex flag manifold
..... 15
Osamu Ikawa (Kyoto Inst. Tech.)
Hiroshi Iriyeh (Tokyo Denki Univ.)
Takashi Sakai (Tokyo Metro. Univ.)
Hiroyuki Tasaki (Univ. of Tsukuba)

March 23rd (Mon) Conference Room IIIa

9:45–12:00

- [03-01-0006](#)
29 Shigehiro Sakata (Waseda Univ.) The location of centers of a body with the outer cone condition 15
- [03-01-0011](#)
30 Akifumi Sako (Tokyo Univ. of Sci.) * Feature of gauge theory on noncommutative homogeneous Kähler manifold 15
Toshiya Suzuki
(Kushiro Nat. Coll. of Tech.)
Hiroschi Umetsu
(Kushiro Nat. Coll. of Tech.)
- [03-01-0041](#)
31 Masanori Adachi A CR proof for a global estimate of the Diederich–Fornaess index of Levi-flat real hypersurfaces 15
(GAIA, POSTECH/Nagoya Univ.)
- [03-01-0059](#)
32 Daisuke Tarama (Kyoto Univ.) Stability analysis for the free rigid body dynamics on normal and compact real forms of complex semi-simple Lie algebras 15
- [03-01-0048](#)
33 Hiroshi Sawai * Necessary conditions for LCK structures on compact solvmanifolds . . . 15
(Numazu Nat. Coll. of Tech.)
- [03-01-0035](#)
34 Hisashi Kasuya (Tokyo Tech)^b Flat bundles and hyper-Hodge decomposition on solvmanifolds 10
- [03-01-0036](#)
35 Hisashi Kasuya (Tokyo Tech)^b Cohomologies of Sasakian groups and Sasakian solvmanifolds 10
- [03-01-0037](#)
36 Hisashi Kasuya (Tokyo Tech)^b Tamed symplectic structures of solvmanifolds 10

14:15–16:45

- [03-01-0014](#)
37 Hikaru Yamamoto (Univ. of Tokyo) Ricci-mean curvature flows in gradient shrinking Ricci solitons 15
- [03-01-0018](#)
38 Ryosuke Takahashi (Nagoya Univ.) On the modified Futaki invariant of complete intersections in projective spaces 15
- [03-01-0013](#)
39 Shunsuke Saito (Univ. of Tokyo) On the vanishing of the modified Futaki invariants 10
- [03-01-0001](#)
40 Homare Tadano (Osaka Univ.) Gap theorems for Harmonic-Ricci solitons 15
- [03-01-0002](#)
41 Homare Tadano (Osaka Univ.) A lower bound for the generalized scalar curvature of Harmonic-Ricci solitons 10
- [03-01-0040](#)
42 Takayuki Moriyama (Mie Univ.) Smoothness of deformations of submanifolds characterized by differential forms 15
- [03-01-0047](#)
43 Mamoru Doi * A new example of Calabi–Yau 3-folds by the doubling construction 15
Naoto Yotsutani (Fudan Univ.)
- [03-01-0050](#)
44 Mamoru Doi * Doubling construction of Calabi–Yau 4-folds from toric Fano 4-folds 10
Naoto Yotsutani (Fudan Univ.)
- [03-01-0033](#)
45 Kota Hattori (Keio Univ.) * Compact special Lagrangian submanifolds embedded in hyper-Kähler manifolds 15

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

- [03-02-0004](#)
Yuji Odaka (Kyoto Univ.) * Moduli of Kähler–Einstein manifolds and their canonical compactifications

March 24th (Tue) Conference Room IIIa

9:30–12:00

- [03-01-0015](#)
46 Vasile Sorin Sabau (Tokai Univ.) On the cut locus of a family of Finsler manifolds 15
Jin-ichi Itoh (Kumamoto Univ.)
- [03-01-0030](#)
47 Tetsuya Nagano (Univ. of Nagasaki) On reversible geodesics in Finsler space 15
- [03-01-0042](#)
48 Nobuhiro Innami (Niigata Univ.) Geodesics in a Finsler 2-torus of revolution 10
- [03-01-0043](#)
49 Mitsuhiro Itoh (Univ. of Tsukuba) Fisher information geometry of geodesics and barycenter map 10
Hiroyasu Satoh (Nippon Inst. of Tech.)
- [03-01-0044](#)
50 Mitsuhiro Itoh (Univ. of Tsukuba) Harmonic Hadamard manifolds and Gauss hypergeometric differential equations 10
Hiroyasu Satoh (Nippon Inst. of Tech.)
- [03-01-0025](#)
51 Kei Kondo (Yamaguchi Univ.) Bi-Lipschitz diffeomorphism theorem via the notion of nonsmooth analysis 15
Minoru Tanaka (Tokai Univ.)
- [03-01-0045](#)
52 Ryunosuke Ozawa (Tohoku Univ.) Metric on the space of quantum metric measure spaces 15
- [03-01-0005](#)
53 Takashi Shioya (Tohoku Univ.) Estimate of isodiametric constant for closed surfaces 10
- [03-01-0027](#)
54 Ayato Mitsuishi (Tohoku Univ.)* Collapsing three-dimensional Alexandrov spaces with boundary 15
Takao Yamaguchi (Kyoto Univ.)

14:15–15:50

- [03-01-0023](#)
55 Tatsuki Seto (Nagoya Univ.) Toeplitz operators and the Roe–Higson type index theorem 15
- [03-01-0055](#)
56 Mamoru Tanaka (Tohoku Univ.) Property (T_{L^Φ}) for Orlicz spaces L^Φ 15
- [03-01-0020](#)
57 Ryosuke Mineyama (Osaka Univ.) Coarse geometry of the Hilbert metric 15
Shin-ichi Oguni (Ehime Univ.)
- [03-01-0022](#)
58 Tomohiro Fukaya (Tohoku Univ.) Coronae of product spaces and the coarse Baum–Connes conjecture 15
- [03-01-0051](#)
59 Masato Mimura (Tohoku Univ.)* Group approximations in Cayley topology and coarse geometry: part II:
Hiroki Sako (Niigata Univ.) Fibered coarse embeddings 15

16:00–17:00 Talk Invited by Geometry Section

- [03-02-0001](#)
Ayato Mitsuishi (Tohoku Univ.)^b Topology of Alexandrov spaces