

Geometry

March 20th (Wed)

9:20–12:00

- 1 Hirotaka Ebisui (Oval Research Center) [#] Saround theorem of famous theorem in history 5
- 2 Hirotaka Ebisui (Oval Research Center) [#] On some square infinty-chain expansion-compositions of Phytagoras 2
area theorem and 6 perpendiculars-concurrence theorem, which show
the existance of infinity parallel space 5
- 3 Noriko Zaitzu (Eigakuin) About rigidity and infinitesimal rigidity of Polyhedron 10
- 4 Kiyohisa Tokunaga [#] The divergence theorem of a triangular integral 10
(Fukuoka Inst. of Tech.)
- 5 Sadahiro Maeda (Saga Univ.) [#] Characterizations of the homogeneous real hypersurface of type (B)
Katsufumi Yamashita (Saga Univ.) having two constant principal curvatures in a complex hyperbolic space
..... 10
- 6 Sadahiro Maeda (Saga Univ.) [#] A characterization of minimal real hypersurfaces of type (A_2) in a
Yuichiro Taniguchi (Saga Univ.) complex projective space 10
- 7 Naoya Ando (Kumamoto Univ.) ^{*} Over-determined systems on surfaces in 3-dimensional space forms ... 15
- 8 Kouhei Miura (Tokyo Univ. of Sci.) ^{*} The global lightlike transversal bundles of lightlike paracomplex sub-
manifolds in parahermitian manifolds 10
- 9 Naoyuki Koike (Tokyo Univ. of Sci.) ^{*} The classification of certain kind of isoparametric hypersurfaces in
symmetric spaces of non-compact type 15
- 10 Atsufumi Honda (Tokyo Tech) ^{*} Weakly complete wave fronts one of whose principal curvatures is con-
stant 10
- 11 Shyuichi Izumiya (Hokkaido Univ.) [#] Singularities of lightlike hypersurfaces along spacelike submanifolds in
Takami Sato (Hokkaido Univ.) anti-de Sitter space 15
- 12 Takami Sato (Hokkaido Univ.) [#] Evolutes of spacelike hypersurfaces in anti-de Sitter space 15

14:20–15:20

- 13 Hirotake Kurihara (Kyoto Univ.) [#] A characterization of great antipodal sets by design theory on complex
Grassmannian spaces 15
- 14 Jun Nonaka (Keio Univ.) ^{*} Coxeter polyhedra in hyperbolic spaces 15
- 15 Soji Kaneyuki (上智大*) On the group of holomorphic and anti-holomorphic transformations of
a compact Hermitian symmetric space and the G -structure 15

15:45–16:45 Talk invited by Geometry Section

- Wayne Rossman (Kobe Univ.) [#] Construction of discrete surfaces in terms of discrete flat connections

March 21st (Thu)

9:20–11:50

- 16 Takayuki Moriyama (Kyoto Univ.)[#] Deformations of special Legendrian submanifolds on Sasaki–Einstein manifolds 15
- 17 Kotaro Kawai (Tohoku Univ.)^{*} Construction of coassociative submanifolds 10
- 18 Kota Hattori (Univ. of Tokyo)^{*} Generalizations of Taub-NUT deformations 15
- 19 Tomoyuki Hisamoto (Univ. of Tokyo)[#] Geometry of the space of Kähler metrics, the relation between Calabi-type functionals and the Donaldson–Futaki invariant. 15
- 20 Nobuhiko Otoba (Keio Univ.)[#] New examples of Riemannian metrics with constant scalar curvature 15
- 21 Hajime Fujita (Japan Women’s Univ.)[#] On an S^1 -equivariant index for symplectic manifold 15
- 22 Masao Jinzenji (Hokkaido Univ.)[#] Multi-point virtual structure constants and mirror computation of CP^2 -
Masahide Shimizu (Hokkaido Univ.) model 10
- 23 Tsukasa Takeuchi (Tokyo Univ. of Sci.)[#] About the configuration and characteristic of concrete recursion opera-
Kiyonori Hosokawa tor 10
(Tokyo Univ. of Sci.)
- 24 Peng Fei Bai (Nagoya Inst. of Tech.)^{*} Areas of trajectory-spheres 10
Toshiaki Adachi (Nagoya Inst. of Tech.)

13:00–14:00 Talk invited by Geometry Section

- Makiko Tanaka (Tokyo Univ. of Sci.)[#] Antipodal sets of compact symmetric spaces and the intersection of totally geodesic submanifolds

March 22nd (Fri)

9:30–11:30

- 25 Shun Maeta (Tohoku Univ.)[#] Biharmonic submanifolds and generalized Chen’s conjecture 10
- 26 Shun Maeta (Tohoku Univ.)[#] Biharmonic Lagrangian submanifolds in complex space forms 10
Hajime Urakawa (Tohoku Univ.)
- 27 Yoshio Matsuyama (Chuo Univ.)[#] Curvature pinching for complete submanifolds 10
- 28 Hiroki Sako (Kyoto Univ.)^{*} Generalizations of expander graphs and Property A for discrete metric spaces 15
- 29 Shouhei Honda (Kyushu Univ.)^{*} A Bochner type inequality on limit spaces. 20
- 30 Kei Kondo (Tokai Univ.)[#] Toponogov’s comparison theorem in Finsler geometry 20
Shin-ichi Ohta (Kyoto Univ.)
Minoru Tanaka (Tokai Univ.)

14:20–15:20 Talk invited by Geometry Section

- Jeff Viaclovsky[#] Critical metrics on connected sums of 4-manifolds
(Univ. of Wisconsin, Madison)

15:40–16:40 Talk invited by Geometry Section

- Hiroshi Matsuzoe[#] Statistical manifolds and geometry of estimating functions
(Nagoya Inst. of Tech.)