Geometry

September 18th (Tue)   Session Room VIII

9:00–12:00

1   Sadahiro Maeda   (Saga Univ.) *   Some characterizations of isoparametric hypersurfaces in a sphere · · · · 15

2   Sadahiro Maeda   (Saga Univ.) *   Congruence classes of minimal ruled real hypersurfaces in a nonflat com-
Toshiaki Adachi (Nagoya Inst. of Tech.)   plex space form · 15
Tuya Bao
  (Inner Mongolia Univ. for Nat.)

3   Kazuhiro Okumura   ♯ η-Einstein real hypersurfaces in a nonflat complex space form · · · · · · · 10
  (Asahikawa Nat. Coll. of Tech.)

4   Kazuyuki Enomoto   ♯   Total torsion of curves in E^3 · 15
        (Tokyo Univ. of Sci.)
Jin-ichi Itoh (Kumamoto Univ.)

5   Naoyuki Koike (Tokyo Univ. of Sci.) *   The classifications of certain kind of isoparametric submanifolds in non-
compact symmetric spaces · 15

6   Makiko Tanaka (Tokyo Univ. of Sci.) *   The intersection of two real forms in Hermitian symmetric spaces of
Hiroyuki Tasaki (Univ. of Tsukuba)   compact type II · 15

7   Hiroshi Iriyeh (Tokyo Denki Univ.) *   On the structure of the intersection of real flag manifolds in a complex
Takashi Sakai (Tokyo Metro. Univ.)   flag manifold · 10
Hiroyuki Tasaki (Univ. of Tsukuba)

8   Akira Kubo (Hiroshima Univ.) ♯   Congruency of orbits of the solvable parts of parabolic subgroups · · · · 10
Hiroshi Tamaru (Hiroshima Univ.)

9   Kastuei Kemnotsu (Tohoku Univ.) *   On the global existence of generalized rotational hypersurfaces with
Takeyuki Nagasawa (Saitama Univ.)   prescribed mean curvature in the Euclidean · 15

10   Sung-Hong Min   (KIAS) ♯   Optimal isoperimetric inequalities for complete proper minimal subman-
Keomkyo Seo   ifolds in hyperbolic space · 15
  (Sookmyung Women's Univ.)

11   Keomkyo Seo   ♯   Geometric inequalities for submanifolds with bounded mean curvature
  (Sookmyung Women's Univ.)   · 15

14:15–16:00

12   Hironori Kumura (Shizuoka Univ.)   Exit radii of submanifolds from cylindrical domains in warped product
manifolds · 15

13   Hiraku Nozawa   (IHÉS) ♯   On Haefliger cohomology of Riemannian foliations · · · · · · · · · · · · · · · 15
José Ignacio Royo Prieto
    (Univ. Basque Country)

14   Oliver Goertsches (Univ. Hamburg) ♯   On vanishing and rigidity of basic cohomology of Sasakian manifolds
Hiraku Nozawa   (IHÉS)   · 15
Dirk Töben   (Univ. São Paulo)

15   Jesús Antonio Álvarez López ♯   Characteristic classes of transversely homogeneous foliations · · · · · · · · 15
  (Univ. Santiago de Compostela)
Hiraku Nozawa   (IHÉS)

16　Seoung Dal Jung (Jeju Nat. Univ.)$^\sharp$　Transverse Killing forms on foliated Riemannian manifolds $\cdots\cdots\cdots$ 15

17　Hiraku Abe (Tokyo Metro. Univ.)$^\sharp$　Schubert calculus for weighted Grassmannians $\cdots\cdots\cdots\cdots\cdots$ 15
　　Tomoo Matsumura　(KAIST)

16:15–17:15　Invited Talk by Research Section

Toshihiro Shoda　(Saga Univ.)$^\sharp$　On Morse index of minimal surfaces

September 19th (Wed)　　Session Room VIII and IX

10:30–10:45　Presentation Ceremony for 2012 Geometry Prize

10:50–11:50　Award Lecture for 2012 Geometry Prize

Ken'ichi Ohshika (Osaka Univ.)$^\sharp$　Topological structure of deformation spaces of Kleinian groups

13:15–14:15　Award Lecture for 2012 Geometry Prize

Yukinobu Toda (Univ. of Tokyo)$^\sharp$　Stability conditions and Donaldson–Thomas type invariants on Calabi–Yau 3-folds

September 20th (Thu)　　Session Room VIII

9:00–12:00

18　Hiroaki Izumi (Elpida Memory, Inc.)$^\sharp$　The mathematical full solution of business cycle as a phase transition $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

19　Tetsuya Nagano (Univ. of Nagasaki)$^\sharp$　Linear parallel displacements along a infinitesimal parallelogram and "curvature" $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

20　Tomoyo Kanazawa$^\sharp$　Wigner function of the MIC-Kepler problem $\cdots\cdots\cdots\cdots\cdots\cdots$ 10
　　　　(Tokyo Univ. of Sci.)
　Akira Yoshioka (Tokyo Univ. of Sci.)

21　Tsukasa Takeuchi (Tokyo Univ. of Sci.)$^\sharp$　A recursion operator for the geodesic flow of Schwarzschild metric $\cdots$ 10
　Kiyonori Hosokawa
　　　　(Tokyo Univ. of Sci.)
　Shinsuke Takatani (Tokyo Univ. of Sci.)

22　Yukiko Konishi　(Kyoto Univ.)*　Mixed Frobenius structure and local A-model $\cdots\cdots\cdots\cdots\cdots\cdots$ 15
　Satoshi Minabe (Tokyo Denki Univ.)

23　Tomoaki Yatsui$^\sharp$　On the prolongations of free pseudo-product fundamental graded Lie algebras $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10
　　　　(Asahikawa Med. Univ.)

24　Yuichiro Tanaka (Univ. of Tokyo)*　Visible actions on flag varieties and a generalization of the Cartan decomposition $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

25　Yoshihiko Matsumoto (Univ. of Tokyo)$^\sharp$　The second variational formula of the total Q-curvature in conformal geometry $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

26　Hiroaki Ishida (Osaka City Univ.)$^\sharp$　Complex manifolds with maximal torus actions $\cdots\cdots\cdots\cdots\cdots\cdots$ 15

27　Sanae Kurosu (Tokyo Univ. of Sci.)*　A characterization of a pluriharmonic affine immersion of codimension two $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10

28 Hiroshi Matsuzoe   * Quasi-statistical manifolds and geometry of affine distributions $\cdots\cdots$ 10
        (Nagoya Inst. of Tech.)
    Takashi Kurose (Kwansei Gakuin Univ.)
    Masayuki Henmi (Inst. of Stat. Math.)

29 Hiroshi Matsuzoe   * Generalized conformal structures on statistical manifolds and geometry
        (Nagoya Inst. of Tech.)   of q-exponential families $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10
    Atsumi Ohara (Univ. of Fukui)
    Shun-ichi Amari   (RIKEN)

14:15–16:15

30 Shin Kikuta   (Sophia Univ.)   Numerical comparison between Carathéodory measure hyperbolicity and
                                          positivity of canonical bundle along subvarieties $\cdots\cdots\cdots\cdots\cdots\cdots$ 20

31 Mitsuhiro Imada (Keio Univ.) ♯   Normality of complex contact manifolds $\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

32 Yohsuke Imagi   (Kyoto Univ.) *   On the boundary of the Moduli space of special Lagrangian submani-
                                          folds $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

33 Hisashi Kasuya (Univ. of Tokyo) *   Vaisman metrics on solvmanifolds and Oeljeklaus–Toma manifolds $\cdots$ 15

34 Mitsuhiro Itoh (Univ. of Tsukuba) ♯ Rigidity, volume entropy and Kähler, quaternionic Kähler Hadamard
    Hiroyasu Satoh (Tokyo Denki Univ.)   manifolds $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10
    Young Jin Suh (Kyungpook Nat. Univ.)

35 Peng Fei Bai (Nagoya Inst. of Tech.) * On volumes of trajectory-balls for Kaehler magnetic fields $\cdots\cdots\cdots$ 10
    Toshiaki Adachi (Nagoya Inst. of Tech.)

36 Ayato Mitsuishi (Tohoku Univ.) *   Locally Lipschitz contractibility of Alexandrov spaces and its applica-
    Takao Yamaguchi (Univ. of Tsukuba)   tions $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 20

16:30–17:30   Invited Talk by Research Section

    Atsushi Kasue (Kanazawa Univ.) * Embedding of graphs and Rayleigh monotonicity law