



Researches on isometries from various viewpoints
RIMS Workshop

Organizer Takeshi Miura (Niigata University)

Dates: October 31, 2016 (Mon) 13:00 ~ November 2, 2016 (Wed) 16:30

Place: Rm 111, Research Institute for Mathematical Sciences, Kyoto University

Program

October 31 (Monday)

13:00–13:30 Fereshteh Sady (Tarbiat Modares University)

Certain seminorm and norm conditions on maps between subspaces of continuous functions

13:40–14:10 Takeshi Miura (Niigata University)

Surjective isometries on $C^1[0, 1]$ with respect to several norms

14:20–14:50 Takuro Honma (Niigata University)

Geometric means on gyrogroups

15:00–15:30 Rumi Shindo Togashi (National Institute of Technology, Nagaoka College)

Supremum multiplicative conditions for weighted composition operators between $C_0(X)$ and $C_0(Y)$

15:40–16:10 Akinari Hoshi (Niigata University)

Rationality problem for fields of invariants

16:20–16:50 Kouki Taniyama (Waseda University)

A common stabilization of diagrams of a knot
(Joint work with Shosaku Matsuzaki (Waseda University))

November 1 (Tuesday)

9:30–10:00 Peter Šemrl (University of Ljubljana)

Isometries of Grassmann spaces

10:10–10:40 Michio Seto (National Defence Academy)

Isometries on Krein spaces induced by tuples of holomorphic functions

10:50–11:20 Naoki Tanaka (Shizuoka University)

Well-posedness for gradient flows in complete metric spaces

11:30–12:00 Eiichi Nakai (Ibaraki University)

Pointwise multipliers on Musielak-Orlicz-Morrey spaces

14:00–14:30 Lajos Molnár (University of Szeged)

Isometries as isomorphisms

14:40–15:10 Kristopher Lee (Iowa State University)

Isometries and maximal convex subsets in function spaces

15:20–15:50 Kazuhiro Kawamura (University of Tsukuba)

Perturbation of C^1 norms and associated isometry groups

16:00–16:30 Sin-Ei Takahasi (Laboratory of Mathematics and Games),
Hiroyuki Takagi (Shinshu University) and Takeshi Miura (Niigata University)

**A Lau algebra of type I defined by semisimple commutative
Banach algebras**

November 2 (Wednesday)

9:30–10:00 Antonio Jiménez Vargas (University de Almería)

Locally compact Lipschitz mappings

10:10–10:40 Moisés Villegas-Vallecillos (Universidad de Cádiz)

Bilinear isometries on spaces of Lipschitz functions

10:50–11:20 Hakimeh Mahyar (Kharazmi University)

Weighted composition operators on differentiable function algebras

11:30–12:00 Toshikazu Abe (Ibaraki University) and Keiichi Watanabe (Niigata University)

Finitely generated gyrovector subspaces in the Möbius gyrovector space

14:00–14:30 Kazufumi Eto (Nippon Institute of Technology)

The determinant of a row-factorization matrix in a numerical semigroup

14:40–15:10 Fernanda Botelho (University of Memphis)

Contractive projections on Banach spaces

15:20–15:50 Shiho Oi (Nagaoka High School)

Hermitian operators on Banach algebras of vector-valued Lipschitz maps

16:00–16:30 Osamu Hatori (Niigata University), Shiho Oi (Nagaoka High School)
and Hiroyuki Takagi (Shinsyu University)

**Peculiar homomorphisms on commutative Banach algebras of vector-valued
functions**