

Geometry of Moduli Space of Low Dimensional Manifolds

December 8–12, 2014

Room 420, RIMS, Kyoto University

Access: <http://www.kurims.kyoto-u.ac.jp/en/access-01.html>

Program

Monday, December 8

- 9:30-10:30 Richard Schoen (UC Irvine/Stanford)
“Some moduli spaces arising in general relativity I”
- 10:40–11:40 Richard Schoen (UC Irvine/Stanford)
“Some moduli spaces arising in general relativity II”
- 13:10–14:10 Takumi Yokota (Kyoto University)
“Complete ancient solutions to the Ricci flow with pinched curvature”
- 14:20–15:20 Shin Nayatani (Nagoya University)
“Superrigidity via discrete harmonic maps and nonlinear spectral gaps I”
- 15:30–16:30 Shin Nayatani (Nagoya University)
“Superrigidity via discrete harmonic maps and nonlinear spectral gaps II”

Tuesday, December 9

- 9:30-10:30 Shinobu Hosono (University of Tokyo)
“Mirror symmetry, Fourier-Mukai partners, and Moduli spaces of Calabi-Yau manifolds I”
- 10:40–11:40 Shinobu Hosono (University of Tokyo)
“Mirror symmetry, Fourier-Mukai partners, and Moduli spaces of Calabi-Yau manifolds II”
- 13:10-14:10 Yoshifumi Matsuda (Aoyama Gakuin University)
“Bounded Euler number of actions of 2-orbifold groups on the circle”
- 14:20-15:20 Gabriela Weitze-Schmithüsen (Karlsruhe Technical Institute)
“Origami curves in moduli space I”
- 15:30–16:30 Gabriela Weitze-Schmithüsen (Karlsruhe Technical Institute)
“Origami curves in moduli space II”

Wednesday, December 10

- 9:30-10:30 Yng-Ing Lee (National Taiwan University)
“The moduli space of special Lagrangians
and related results I”
- 10:40–11:40 Yng-Ing Lee (National Taiwan University)
“The moduli space of special Lagrangians
and related results II”
- 11:50-12:50 Tadashi Ishibe (University of Tokyo)
“ A generalization of the theory of Artin groups”

Thursday, December 11

- 9:30-10:30 Hiroshige Shiga (Tokyo Institute of Technology)
“Complex analytic properties of deformation spaces
of Kleinian groups I”
- 10:40–11:40 Hiroshige Shiga (Tokyo Institute of Technology)
“Complex analytic properties of deformation spaces
of Kleinian groups II”
- 13:10-14:10 Yoshihiro Umehara (Tohoku University)
“Cotton tensor and conformal deformations
of three-dimensional Ricci flow”
- 14:20-15:20 John Loftin (Rutgers University)
“Cubic Differentials and Limits of Convex $\mathbb{R}\mathbb{P}^2$ Structures
under Neck Pinches I”
- 15:30–16:30 John Loftin (Rutgers University)
“Cubic Differentials and Limits of Convex $\mathbb{R}\mathbb{P}^2$ Structures
under Neck Pinches II”

Friday, December 12

- 9:30-10:30 Nobuhiko Otoba (Keio University)
“Metrics of constant scalar curvature on bundles
each of whose typical fiber is a rotationally symmetric sphere”
- 10:40–11:40 Ser Peow Tan (National University of Singapore)
“Identities on moduli spaces and other varieties I”
- 11:50-12:50 Ser Peow Tan (National University of Singapore)
“Identities on moduli spaces and other varieties II”

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(基盤研究 (A) 代表者：大鹿健一)
No.24340009 低次元多様体モジュライ空間の新展開
(基盤研究 (B) 代表者：山田澄生)