JOSAI MATHEMATICAL MONOGRAPHS

JMM 10. Representation Theory and Differential Equations,
Kazuki Hiroe, Program Chair

JMM Workshop on Representation Theory and Differential Equations
held at Josai University on November 26 – 27, 2016

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Representation Theory and Differential Equations

Proceedings
of JMM Workshop
on Representation Theory
and Differential Equations

November 26 – 27, 2016
JOSAI UNIVERSITY

Edited by
Kazuki HIROE
Manabu INUMA
Takeyoshi KOGISO
Toshio OSHIMA

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GRADUATE SCHOOL OF SCIENCE
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JMM Workshop
on Representation Theory and Differential Equations
Department of Mathematics, Graduate School of Science, Josai University

Venue: Room 5201, The 5th Building, Tokyo Kioi-cho Campus, Josai University
Date: November 26 – 27, 2016
Program:
November 26 (Saturday)
11:00 – 12:00 Takeyoshi KOGISO (Josai University)
Local functional equations associated with the polarizations of homaloidal polynomials
13:30 – 14:30 Ryosuke NAKAHAMA (The University of Tokyo)
Intertwining operators between holomorphic discrete series representations
14:40 – 15:40 Tadashi MIYAZAKI (Kitasato University)
Whittaker functions on $GL(2, \mathbb{C})$ and the local zeta integrals
15:40 – 16:00 Genki SHIBUKAWA (Osaka University)
A generalization of multivariate Meixner, Charlier and Krawtchouk polynomials
17:10 – 18:10 Noriyuki ABE (Hokkaido University)
Affine Hecke algebra at $q = 0$ and mod $p$ Satake transform

November 27 (Sunday)
9:00 – 10:00 Hajime NAGOYA (Kanazawa University)
On confluence of vertex operators of Virasoro algebra
10:10 – 11:10 Shintarou YANAGIDA (Nagoya University)
Factorization space and Liouville CFT
11:20 – 12:20 Seiji NISHIOKA (Yamagata University)
Transcendence of solutions of iterated Riccati equations
13:30 – 14:30 Shingo KAMIMOTO (Hiroshima University)
Resurgent functions and nonlinear differential and difference equations
14:40 – 15:40 Daishuke YAMAKAWA (Tokyo Institute of Technology)
Filtered Riemann-Hilbert-Birkhoff correspondence
Representation Theory and Differential Equations
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