

JMM Workshop

On Differential Equations and Representation Theory

Department of Mathematics, Graduate School of Science, Josai University

Venue: Tokyo Kioicho Campus, Josai University

Date: 26–27 December, 2018

Program:

26th December

13:00 – 14:00 Hiroyuki OCHIAI (Kyushu University)

On Lie algebra symmetry of hypergeometric functions

14:15 – 15:15 Kazuki HIROE (Josai University)

On Oshima's conjecture

15:30 – 16:30 Yoshishige HARAOKA (Kumamoto University)

Katz's algorithm and multivariable completely integrable systems of irregular singular type

17:00 – 18:00 Toshio OSHIMA (Josai University)

From comprehensible Fuchsian ordinary differential equations to multivariable equations of irregular singular type

27th December

10:00 – 11:00 Saiei-Jaeyeong MTSUBARA-HEO (Kobe University)

On connection problem of GKZ hypergeometric functions

11:15 – 12:15 Hiroshi ODA (Takushoku University)

Matrix valued spherical functions (in the case that the ring of invariant differential operators contains 1st order operators)

13:30 – 14:30 Jiro SEKIGUCHI (Tokyo University of Agriculture and Technology)

On complex reflection groups and flat structure

14:45 – 15:45 Toshiyuki KOBAYASHI (The University of Tokyo)

Semisimple symmetric spaces and discontinuous groups