

研究集会

Theoretical and Computational Aspects of Algebraic Analysis

主催者: 山崎 晋 (日大), 本多 尚文 (北大), 岡田 靖則 (千葉大)

2015年3月6日(金曜), 7日(土曜)

日本大学理工学部 駿河台キャンパス 9号館 921教室

東京都千代田区神田駿河台1-8-14

プログラム

3月6日(金曜)

13:30–14:15 松原 幸栄 (東大) (Saiei MATSUBARA (Univ. of Tokyo))

Residue current techniques applied for the Malgrange-Ehrenpreis type theorem of $D\Delta$ equations

14:30–15:15 山澤 浩司 (芝浦工大) (Hiroshi YAMAZAWA (Shibaura Inst. of Tech.))

Summability of formal solutions for $\epsilon t^{r+1} \frac{\partial}{\partial t} u = f(t, u)$

15:30–16:15 山崎 晋 (日大) (Susumu YAMAZAKI (Nihon Univ.))

Boundary value problem for hyperfunction solutions to Fuchsian systems

16:30–17:15 大阿久 俊則 (東京女子大) (Toshinori OAKU (Tokyo Woman's Christian Univ.))

D -module theoretic global multiplicity of local cohomology – some examples (joint work with K. Arita)

3月7日(土曜)

10:00–10:45 鍋島 克輔 (徳島大) (Katsusuke NABESHIMA (Univ. of Tokushima))

Comprehensive Gröbner bases in rings of differential operators and their applications to b -functions

11:00–11:45 高山 信毅 (神戸大) (Nobuki TAKAYAMA (Kobe Univ.))

Evaluation of normalizing constants of A -distributions by Sylvester type matrices (joint work with K. Ohara)

13:30–14:15 野呂 正行 (立教大) (Masayuki NORO (Rikkyo Univ.))

Computation of a system of partial differential equations satisfied by the hypergeometric function ${}_1F_1$ of a matrix argument over diagonal regions

14:30–15:15 田島 慎一 (筑波大) (Shinichi TAJIMA (Univ. of Tsukuba))

Whitney equisingularity, Teissier invariants $\mu^{(*)}$ and local cohomology