Analytic Number Theory

Date : 17-19 October, 2005
Place : Research Institute for Mathematical Sciences (RIMS), Kyoto Univ., Kyoto, JAPAN
Organizer : Masanori Katsurada (Keio Univ.)

Program

Monday 17 October

8:55–9:00	Opening
9:00–10:00	Nobushige Kurokawa (Tokyo Inst. Tech.) Multiple sine functions and zeta functions
10:10–11:10	Christopher Deninger (Univ. Münster) A dynamical analogue of Lichtenbaum's recent conjectures on special values of zeta functions
11:20–11:50	Yasuo Ohno (Kinki Univ.) On multiple zeta values and Bernoulli numbers
13:30–14:30	Youn-Seo Choi (Korea Inst. Adv. Study) Ramanujan's forty identities for the Rogers-Ramanujan functions
14:40–15:10	Winfried Kohnen (Univ. Heidelberg) On the number of representations of integers by positive definite quadratic
15:40–16:10	Hirotaka Akatsuka (Tokyo Inst. Tech.) Multiple Euler factors
16:20–17:00	Yuichi Kamiya (Meijigakuin Univ.) An attempt to interpret the Weil explicit formula from Beurling's spectral theory

Tuesday 18 October

9:00–10:00 Takashi Taniguchi (Univ. Tokyo)
Some mean value theorems for the square of class numbers times regulator of quadratic extensions

10:10–11:10 Yoichi Motohashi (Nihon Univ.)
Smoothed GPY sieve

11:20–11:50 Hiroshi Mikawa (Univ. Tsukuba)
Tmenoujka Peneva (Univ. Tsukuba & Univ. Plovdiv)
Sums of five cubes of primes of short intervals

13:30–14:30 Hiroyuki Yoshida (Kyoto Univ.)
On special functions related to the limit formula and reciprocity law II

14:40–15:10 Koichi Kawada (Iwate Univ.)
On sums of cubes of smooth numbers

15:40–16:10 Takumi Noda (Nihon Univ.)
Asymptotic expansions of the non-holomorphic Eisenstein series II

16:20–17:00 Masatoshi Suzuki (Nagoya Univ.)
On the zeros of the symmetric square L-function associated with the Ramanujan delta-function

18:00–20:00 Reception party at *Shiran Kaikan*

Wednesday 19 October

9:00–10:00 Takao Watanabe (Osaka Univ.)
Minkowski's second theorem over a Severi-Brauer variety

10:10–11:10 Stéphane Louboutin (Inst. Math. Luminy)
Some explicit upper bounds for residues of zeta functions of number fields taking into account the behavior of the prime 2

11:20–12:05 Hirofumi Tsumura (Tokyo Metropolitan Univ.)
Functional relations for various multiple zeta-functions

12:05–12:10 Closing