

Modular functions and Quadratic forms –Number theoretic delights

December 21st – 23rd 2013
Osaka University Nakanoshima Center
Lecture Room 507

Program

December 21st

10:00 – 11:00 Masanobu Kaneko (Kyushu Univ.)

On the elliptic modular function $j(\tau)$

11:15 – 12:15 Ken Ono (Emory Univ.)

Special numbers and special functions: Part 1

14:00 – 15:00 Kenichi Bannai (Keio Univ.)

On the p -adic analogue of Eisenstein-Kronecker series

15:30 – 16:30 Fumiya Amano (Kyushu Univ.)

Arithmetic Milnor invariants and modular forms

December 22nd

10:00 – 11:00 Takeshi Ogasawara (Oyama National College of Technology)

On Hecke modules generated by eta-quotients of weight one

11:15 – 12:15 Ken Ono (Emory Univ.)

Special numbers and special functions: Part 2

14:00 – 15:00 Fumihiro Sato (Rikkyo Univ.)

Zeta functions of quadratic mappings

15:30 – 16:30 Takashi Ono (Johns Hopkins Univ.)

Quest for "Golden Numbers"

17:30 – Banquet (9th floor, Salon de l'amical)

December 23rd

10:00 – 11:00 Kazuhiro Hikami (Kyushu Univ.)

Quantum modular form and quantum invariant

11:15 – 12:15 Kiichiro Hashimoto (Waseda Univ.)

Missing link between vanishing of quaternion theta series and
nonvanishing cycles on modular curves

14:00 – 15:00 Nobushige Kurokawa (Tokyo Institute of Technology)

Multiple sine functions and Eisenstein series

15:30 – 16:30 Eiichi Bannai (Shanghai Jiao Tong Univ.)

"Gauss sums and Legendre polynomials" in algebraic combinatorics