SENDAI MINI SYMPOSIUM on
Number Theory and Combinatorial Theory 2005

Organizer: Akihiro MUNEMASA (GSIS, Tohoku University)

Date: January 30–31, 2006
Place: 2nd floor Large Lecture Room, GSIS-building at Aobayama Campus,
Graduate School of Information Sciences, Tohoku University
Address: Aramaki-Aza-Aoba 6-3-09, Aoba-ku, Sendai, 980-8579, JAPAN

PROGRAM

January 30, Monday

13:00 Opening

13:05–13:55 Teruhisa KADOKAMI (Osaka City University) and Yasushi MIZUSAWA
(Sophia University)
On cyclic branched covers of a link analogous to $\mathbb{Z}_p$-extensions of number fields

14:10–15:00 Hiroaki TANIGUCHI (Takuma National College of Technology)
On dimensional dual hyperovals

15:15–16:15 *Yasuo OHNO (Kinki University)
A generating function of sum of multiple zeta values

16:30–17:30 *Boris VENKOV (Steklov Institute, RIMS)
Lattices and spherical designs

January 31, Tuesday

9:40–10:30 Satoshi FUJII (Waseda University)
The torsion of $p$-ramified Iwasawa modules

10:45–11:35 Humio ICHIMURA (Ibaraki University) and Hiroki SUMIDA-TAKAHASHI
(University of Tokushima)
Hilbert-Speiser number fields at a prime $p$ inside the $p$-cyclotomic field

11:50–12:40 Akihide HANAKI (Shinshu University)
Association schemes of prime order and their splitting fields
14:00–14:50  Toshiyuki MIYAZAWA, Shigenori UCHIYAMA and Tatsuaki OKAMOTO  
(NTT Information Sharing Platform Laboratories)  
Quantum Public-Key Cryptosystems

15:10–16:00  Keiichiro NISHIMOTO and Ken NAKAMULA (Tokyo Metropolitan University)  
Key generation for the quantum public key cryptosystem over number fields

16:20–17:10  Tatsuya FUJISAKI (University of Tsukuba)  
The spanning trees of the complete m-uniform hypergraphs and related topics

17:10  Closing

Address: Graduate School of Information Sciences, Tohoku University,  
Aramaki-Aza-Aoba 6-3-09, Aoba-ku, Sendai, 980-8579 JAPAN  
Tel: 022–795–4638, FAX: 022–796–4654  
Assistant Organizer: Hideo IMAI (GSIS, Tohoku University),  
Hisao TAYA (GSIS, Tohoku University)

Sendai Mini Symposium Web Page:  
http://www.math.is.tohoku.ac.jp/~taya/sendaiNC/2005/program_e.html  
(All Manuscripts will be available from this site in the near future.)

* The lectures of Prof. Yasuo Ohno and Prof. Boris Venkov are also held as a Information Mathematical Sciences Colloquium organized by the Division of Mathematics, Graduate School of Information Sciences, Tohoku University. The Colloquium Web Page:  
http://www.math.is.tohoku.ac.jp/ann/workshop.html