

Report and Request of the 5th Conference on Algebra and Computation

NAKAMULA, Ken Tokyo Metropolitan University

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1 Report

This conference has been held on Monday 6 – Friday 10 October 2003 at the International House of Tokyo Metropolitan University. There were 131 participants in this conference, including 5 participants from abroad for the first time. As those items, there were 58 researchers from university, 17 researchers from industry, and 56 students. In this conference, the following 5 organized lectures

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| TAKEMURA,A. | Algebraic calculation which appears in statistics |
| SUWA,N. NAKAMULA,K. | On primality tests |
| PETHŐ,A. | Computation of integral and S -integral points on curves of genus one, especially of elliptic curves |
| HAGIYA,M. | Formal verification technology : Logical Framework and Modal Logic |
| LOUBOUTIN,S. | Explicit upper bounds for $ L(1, \chi) $ for primitive characters χ |

and 21 general lectures were given. Through these lectures, the interchange among various research fields about algebra and computation was made, which was very useful for the development of the future research.

The budget of this conference was supported by the Grant-in-Aid for Scientific Research (2003), Japan Society for the Promotion of Science (Base research B(1)) “Research of number theoretic algorithms and development of number theoretic systems” (NAKAMULA, Ken et al.). The success of this conference depended on the contribution of lecturers, chairs, participants, and also other organizers (OZEKI, Michio and TSUMURA, Hirofumi and KURATA, Toshihiko) and the students who helped the management of this conference.

You can down-load the general information of the conference, but mostly in Japanese, from the following web-site:

<http://tnt.math.metro-u.ac.jp/ac/2003/>

2 Request

As well as the previous 4 conferences, the proceedings is not printed, but will be electronically published in the following web-site:

<ftp://tnt.math.metro-u.ac.jp/pub/ac03/>

We ask the general lecturers to submit their manuscripts in accordance with the following.

The organized lecturers do not need to submit their manuscript, but are welcomed. In that case, there is no limitation of the quantity.

Deadline 31 March 2004.

Quantity A4 paper, 10–12 points, length 10–20 pages.

File-type Printable ps-file or pdf-file.

Address and method of submission

1. Send a suitably encode-compressed file to the following by E-mail:

ac2003@tnt.math.metro-u.ac.jp

2. Simultaneously, send its hard copy to the following by postal mail:

Prof. Dr. NAKAMULA, Ken
Department of Mathematics, Tokyo Metropolitan University
1-1 Minami-Osawa, Hachioji
Tokyo 192-0397, Japan