Calculemus 2003

11th Symposium on the Integration of Symbolic Computation and Mechanized Reasoning
In conjunction with TPHOL 2003 and TABLEAUX 2003

Roma, Italy – September 10 - 12, 2003

About this conference series
This is the eleventh symposium in a series which started with three meetings in year 1996, two meetings in 1997 and then turned to a yearly event in 1998. It has become tradition to hold the meeting jointly with an event in either symbolic computation or automated deduction. This year’s symposium is in conjunction with Theorem Proving and Higher Order Logics (TPHOL 2003) and Automated Reasoning with Analytic Tableaux and Related Methods (TABLEAUX 2003). The aim of the symposium is to bring together researchers interested in both symbolic computation and mechanized reasoning. It has been recognized that the integration of computing and deduction would enhance the power of mathematical software systems. However it is not yet clear which is the right way to achieve such an integration. The symposium provides a forum for discussing and investigating the various approaches possible including integration of reasoning into computer algebra systems, integration of efficient computations in theorem provers, and frameworks, languages, or protocols for integrating both symbolic computation and mechanized reasoning. Other topics of interest include the integration of constraint solving techniques into both theorem provers and computer algebra systems, environments for hybrid mathematical systems and systems for explorative mathematics.

Program Committee
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Proceedings
Papers submitted to the symposium undergo a standard review process. Accepted research papers and system descriptions will be published in the Symposium’s informal proceedings and as a research report of Laboratoire D’Informatique de Paris 6. The full paper versions of the very best papers will be considered for publication in the London Mathematical Society’s Journal of Computation and Mathematics. The Editor-in-Chief of the Journal has joined the Program Committee to facilitate this process.

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