

International Euler Symposium

University of Basel, Department of Mathematics
Thursday, May 31 (opening at 9:45 am)
and Friday, June 1, 2007

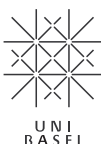
Lectures: Alte Universität, Rheinsprung 9/11, CH-4051 Basel

- Pierre Deligne, Institute for Advanced Study, Princeton, USA
- Craig G. Fraser, University of Toronto, Canada
- Stefan Müller, Max-Planck-Institut, Leipzig, Germany
- Alfio Quarteroni, EPFL, Lausanne, Switzerland
- Sir Roger Penrose, University of Oxford, Great Britain
- Karl Rubin, University of California Irvine, USA
- Ronald J. Stern, University of California Irvine, USA
- Anthony Tromba, University of California Santa Cruz, USA
- Eberhard Zeidler, Max-Planck-Institut, Leipzig, Germany
- Günter M. Ziegler, Technische Universität Berlin, Germany

The symposium brings together an international group of first-rank mathematicians whose research builds on themes and results proposed and treated by Euler. In their lectures they will highlight the enduring relevance and emphasize the fundamental importance of Euler's work for 21st-century mathematics.

An evening lecture intended for a general audience will be held at the Museum of Natural History, Augustinergasse 2, on Thursday, May 31st, at 8:15 pm. In this lecture Craig Fraser will outline some topics in Euler's mathematical work from a historical perspective.

For more information see: www.euler-2007.ch



Program

All lectures are in the Alte Universität (Rheinsprung 9/11, CH-4051), except the evening lecture of Craig Fraser which will be held at the Naturhistorisches Museum Basel (Augustinergasse 2).

Thursday, May 31

- 9:45 - 10:00 Opening
- 10:00 - 11:00 Karl Rubin: Euler Systems in Number Theory
- 11:30 - 12:30 Pierre Deligne: Multizeta Values,
from the 1740's to now
- 14:30 - 15:30 Eberhard Zeidler: Euler and the Mathematical
Principles of Modern Natural Philosophy
- 16:30 - 17:30 Stefan Müller: Rigidity, Geometry and Elastica
- 20:15 - 21:15 Craig Fraser: Leonhard Euler and the History of
Mathematics: Changing Perspectives

Friday, June 1

- 10:00 - 11:00 Ronald J. Stern: Euler, Polyhedron, and Smooth
4-Dimensional Manifolds
- 11:30 - 12:30 Günter Ziegler: Euler's Polyhedron Formula – at the
Starting Point of today's Polytope Theory
- 14:00 - 15:00 Alfio Quarteroni: Mathematical Modelling for
Environment, Medicine, and Sport: Euler's Legacy
- 15:30 - 16:30 Anthony Tromba: Variations and Singularities
- 17:00 - 18:00 Roger Penrose: Euler's Profound Influence on
Twistor Theory