

SAGE Days 10 in Nancy

Paul Zimmermann

INRIA Nancy - Grand Est

What is SAGE (sagemath.org)?

- Open Source Mathematics Software
- free open source alternative to Magma, Maple, Mathematica, and Matlab
- initiated by William Stein (Univ. Washington, Seattle)
- current community of about 20+ developers
- current version includes 70+ open-source packages
- currently 10000+ users worldwide

Previous editions (1/2)

SAGE Days 2, October 2006 (Washington), General workshop

SAGE Days 3, February 2007 (UCLA), General workshop

SAGE Days 4, June 2007 (Washington), Software Development

SAGE Days 5, September 2007 (Clay Math. Institute,
Cambridge, USA), Computational Arithmetic Geometry

SAGE Days 6, November 2007 (Bristol, UK), Cryptology, Number theory, and Arithmetic Geometry

SAGE Days 7, February 2008 (UCLA), Combinatorics

SAGE Days 8, February-March 2008 (Austin, Texas), Connecting Pure Mathematics With Scientific Computation

SAGE Days 9, August 2008, (Vancouver, Canada), Mathematical graphics and visualization

SAGE Days 10, October 2008, Parallel Computing, Graphics, and Integer Factorization

<http://wiki.sagemath.org/days10>

When: October 10-15, 2008 (Friday to Wednesday)

Where: INRIA Nancy Grand-Est/LORIA

Who: 30 to 50 participants

Local Organization Committee

Anne-Lise Charbonnier

Mirsada Tihic

Paul Zimmermann

Programm Committee

Michael Abshoff (Univ. Dortmund)

Tim Daly (Carnegie Mellon University, publicity chair)

Laurent Fousse (U. Joseph Fourier, Grenoble, web chair)

Ludovic Perret (LIP6)

Paul Zimmermann (INRIA NGE, LORIA)

What are SAGE Days?

- half-scientific talks (invited and contributed)
- half *coding sprints*

Topics of the Workshop:

- parallel computing
- graphics
- integer factorization

5 or 6 invited speakers, plus several contributed talks

3 “talk days”, plus 3 “coding sprint days”

Typical “Talk Day”

- 09h30-10h30 Invited Talk 1
- 10h30-11h00 **Coffee Break**
- 11h00-12h00 Invited Talk 2
- 12h00-14h00 **Lunch Break**
- 14h00-15h00 Contributed Talk 1
- 15h00-16h00 Contributed Talk 2
- 16h00-16h30 **Coffee Break**
- 16h30-17h30 Contributed Talk 3
- 17h30-19h30 **Dinner**
- 19h30-Midnight Coding Sprints

Typical “Coding Sprint Day”

09h30-10h00 Plenary Meeting (workplan)

10h00-12h00 Coding Sprints (groups of 2 to 6 people)

12h00-14h00 **Lunch Break**

14h00-17h00 Coding Sprints

17h00-17h30 Plenary Meeting (debriefing)

17h30-19h30 **Dinner**

19h30-Midnight Coding Sprints