

Final Program

NIKOLAUS CONFERENCE 2001

(Lehrstuhl D für Mathematik, RWTH Aachen)

All talks were given in the lecture room **AS**, basement floor of the same building as Lehrstuhl D (Sammelbau). We were happy to have windows in all of our rooms!

Friday, December 7, 2001

- 2.01–2.37pm **Stéphane Gaussent** (Wuppertal): *On the fibre of the Bott-Samelson resolution*
- 2.43–3.13pm **Burkhard Höfling** (Braunschweig): *Constructing irreducible soluble linear groups of small degree over finite fields*
- coffee and discussion**
- 4.31–5.05pm **Willem de Graaf** (Utrecht): *Computing with quantum groups in GAP*
- 5.13–5.50pm **Meinolf Geck** (Lyon): *Computing Schur indices in groups of Lie type*
- 5.53–6.25pm **Anne Henke** (Leicester): *Relating polynomial GL_n -representations in different degrees*
- 7.00pm–??* *Research Cambridge Style!* (in the restaurant “Georgios”, Mauerstraße)

Saturday, December 8, 2001

- 10.03–10.32am **Mariane Riss** (Paris): *Broué’s conjecture on isotypies for extensions of $Sp(4, q)$*
- 10.36–11.11am **Bernd Souvignier** (Nijmegen): *Mathematical crystallography as desired by crystallographers*
- 11.17–11.52am **Cédric Bonnafé** (Besançon): *Remarks on characteristic functions of character sheaves*
- lunch break**
- 2.18–2.50pm **Gregor Kemper** (Heidelberg): *Application of group cohomology to computing the depth of invariant rings* (with Origami Nikolaus!)
- 2.55–3.30pm **Gunter Malle** (Kassel): *Counting Galois extensions*
- 3.37–4.13pm **Thomas Breuer** (Aachen): *Lower bounds for the spread of some finite simple groups*
- coffee break**
- 4.52–5.24pm **Gabriele Nebe** (Ulm): *Elementary divisors of certain Specht lattices*
- 5.30–6.02pm **Rob Wilson** (Birmingham): *The ? maximal subgroups of the Monster*
- 7.00pm–??* *Research Cambridge Style!* (in the “Labyrinth”)

Anyone was welcome to attend the talks.

Frank Lübeck