

# MATHEMATICS AND STATISTICS

# NEWSLETTER

June-August 2005

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## CONGRATULATIONS

- To Sharon and Tom Hedley on the birth of their 2nd daughter Isla Louise at 1pm on Saturday 30th July. Isla weighed in at 8lbs 4.5oz - both Sharon and Isla are doing fine.
  - To Clare Parnell and her husband Simon on the birth of their son Ian Simon Halliwell, on Saturday 27th August at 11pm. He weighed in at 8lbs 4.5oz - exactly the same weight as Isla Hedley!
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## WELCOME

- To Anastasia Metillanou who was visiting EPCC and St Andrews for a month, parallelizing a code to integrate ion trajectories in a collapsing magnetotail field.
- To Jim McKenzie who was here for 3 weeks to work with Andy Wright, Bernie Roberts and Peter Damiano.
- To Tongjiang Wang (Lindau, Germany) who visited the Solar Group for a week in August. Tongjiang is well known for his observations with SoHO/SUMER of oscillations in coronal loops and is a postdoc working with Sami Solanki (a former postdoc in the Solar group!).
- To Chuong Van Tran who has joined the department as our new Academic Fellowship lecturer in Applied Mathematics.
- To Gary Mullen, from Penn State University who visited Sophie Huczynska from 11-19 August. He gave a Pure Maths Colloquium entitled 'Distribution of irreducible polynomials over finite fields'.

- To Dr In Soo Baek, from Pusan University of Foreign Studies in Korea, who is visiting St Andrews from August 2005 to August 2006. In Soo will be working on multifractal analysis with Lars Olsen and Kenneth Falconer.
  - To Chris Brady who is the new replacement for Keith Bennett and will be taking over the administration of the SRIF funded mathematics cluster. Chris has just finished his PhD at Warwick where he studied under Tony Arber who incidentally had the very same position here before Keith. It is a small world.
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## **FAREWELL & GOOD LUCK**

- To Riwal Plougonven who has left us to start his new job in Paris. We wish him well for the future.
  - To Paolo Giuliani who has returned to Italy. However, before he left, he was awarded the Advanced Diploma in Jazz by the University of St Andrews. Well done Paolo!
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## **SEMINARS, LECTURES, RESEARCH VISITS**

- John Howie was a plenary speaker at an International Algebra Conference to take place in Ekaterinburg, Russia at the end of August.
- Ersin Ozugurlu gave a seminar on vortex interactions in quasi-geostrophic flows on May 18th, at the 18th Scottish Fluid Mechanics Society Meeting in Edinburgh. He also presented a poster entitled ‘Interaction of two unequal-intensity vortices quasi-geostrophic flows’ in the Geophysical Turbulence Program Workshop on Coherent Structures in Atmosphere and Ocean at the National Center for Atmospheric Research (NCAR) Boulder, USA, July 11-14th. Additionally, he presented an extended poster entitled ‘Interaction of two unequal- intensity vortices quasi-geostrophic flows’ at the International Conference on High Reynolds Number Vortex Interactions, Toulouse, France, August 29-31.
- Sophie Huczynska attended the British Combinatorial Conference in Durham, 11-15 July, where she gave a contributed talk entitled ‘Frequency Permutation Arrays’.

- Thomas Neukirch, Eric Priest and Ineke De Moortel attend a conference on ‘Chromospheric and Coronal Magnetic Fields’ in Lindau (Germany) from 30 August till 2 September. Thomas gave an invited talk, entitled ‘Magnetic Field Extrapolations’ and Ineke gave a contributed talk on ‘Numerical simulations of 3D magnetic reconnection due to rotational driving’. Eric chaired a session, as well as giving the final summary of the meeting.
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## **NEXT ISSUE**

Please send material for the next Newsletter to: [mcsnews@mcs.st-andrews.ac.uk](mailto:mcsnews@mcs.st-andrews.ac.uk)