

NEWSLETTER

Department of Mathematics & Statistics

Issue No. 21/03

Friday, 5 December 2003

THIS WEEK:

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PUBLICATIONS ACCEPTED

Elchanan Mossel and Mike Steel. 'A phase transition for a random cluster model on phylogenetic trees', *Mathematical Biosciences*.

Mike Steel

D. Bridges and L. S. Vita, 'Strong and uniform continuity - the uniform space case', to appear in *London Math. Soc. Journal of Computation and Mathematics*.

Simona Vita

Chase, J G, Rudge, A D, Shaw, G M, Wake, G C, Lee, D, Hudson, I and Johnston, L (2004). Modeling and Control of the Agitation-Sedation Cycle for Critical Care Patients, *Medical Engineering and Physics*, accepted for publication 11/03 to appear, ISSN: 1350-4533.

Graeme Wake

PAPERS PUBLISHED

R. Löwen, G.F. Steinke and H. Van Maldeghem. Affine line systems in vector spaces. *Adv. Geom., Special Issue*, S59-S74 (2003)

Gunter Steinke

TERMINOLOGY

Bob Pilgrim (retired, Zoology) asked me the other day what mathematicians call the elliptical equivalent of a semicircle, taking into account the difference between the major and minor axes. He wanted it to describe the head of some insect he is studying.

Unless someone knows a better terminology we propose, on the model of spheroids,
Prolate half-ellipse, bounded by the minor axis;
Oblate half-ellipse, bounded by the major axis;
Oblique half-ellipse, bounded by any other straight line through the centre.

David Robinson

CONGRATULATIONS

Congratulations on the completion and submission by Bernie Tsang of his PhD thesis on Tuesday. His thesis is entitled "Modelling of the mechanisms governing crimp in wool" and was supported by the NZ Wool Industry Charitable Trust.

Graeme Wake

DEPARTMENTAL VISITORS

We welcome to the department Emeritus Prof. Mitchell Taibleson from Washington University in St. Louis. Mitch will be here for a month, and will be working with Qui. He's using Kevin's former office, room 602, ext.7687.

Neil Watson

Current Visitors	Organisation	Room No.	Ext. No.	From	To
Assoc. Prof. Peter Lockhart	Massey University	616	8876	6-Oct-02	20-Oct-04
Richard Laugesen , Prof	University of Illinois	710	7694	14-Jul-03	31-Mac-04
Gyou-Bong Lee , Prof	Paichai University, Korea	502	7663	15-Jul-03	14-Jul-04
Adrian lordache , Mr	University of Illinois	522	7695	1-Aug-03	31-Apr-04
Mitchell H Taibleson , Prof	Washington University	602	7687	10-Nov-03	17-Dec-03
Marie Keatley , Dr	University of Melbourne	721	8338	17-Nov-03	20-Dec-03
Hajime Ishihara , Assoc. Prof.	Japan Advanced Institute Of Science and Technology	703	7427	7-Dec-03	15-Dec-03