Loughborough University

Department of Mathematical Sciences

Mathematical Physics Seminars 2003

Wednesdays   4pm   Room W 145

September 5   Michael S. Birman (St. Petersburg)   *Homogenization for periodic differential operators of Mathematical Physics*

September 9   Jiri Podolski (Prague) *General structure of radiation near (anti-)de Sitter-like infinity*

September 19   Sasha Sergeev (Balakovo) *Generalised root systems and Macdonald polynomials*

October 1   Jenya Ferapontov   *On the integrability of 2-component (2+1)-dimensional systems of hydrodynamic type*

October 8   Sasha Veselov   *Cauchy problems on quad-graphs*

October 15   Rod Halburd   *Meromorphic solutions of integrable difference equations and singularity confinement*

October 22   John Samson   *Path integrals and Wigner functions*

October 29   Polina S. Landa (Moscow and Lancaster) *Development of turbulence in submerged jets: linear approximation*

November 5   Ilpo Laine (Joensuu)   *Growth of Painlevé transcendents in the complex plane*

November 12   Mu-Fa Chen (Beijing) *Eigenvalues, inequalities and ergodic theory*

November 19   Sasha Mikhailov (Leeds) *Automorphic Lie algebras and quasi-graded structure*

November 26 Alexander S. Blagovestchenskii (St- Petersburg) *Compactification of Minkowski space and waves with sources at infinity*

and
Misha Feigin (Imperial) *Volumes of compact Lie groups and Mehta-Macdonald conjecture*

November 28   *Integrable Day in Loughborough*

December 2 Taras Panov (Moscow and Manchester) *Combinatorics of polyhedra and toric varieties* (W190, 1-2pm)
and
Maciej Dunajski (Cambridge)
Einstein--Weyl spaces and dispersionless PDEs (W190, 4-5pm).

Organiser: A.P. Veselov