

Durham symposium on model theory and groups
18-28 July 1988

Programme

Each lecture has 55 minutes allotted.

Some spaces of time have been deliberately left blank; they are marked **. These times are available for splinter groups and private discussions. Some of them will surely be used for lectures which have been offered but not scheduled in the programme below. A list of these lectures is given at the end of the programme.

Monday 18 July
Arrival day

Tuesday 19 July

- 9.30 Peter Cameron, Groups with finitely many orbits on tuples 1. Preliminaries
10.25 Coffee
10.55 Simon Thomas, ω -categorical geometries as a way into Lachlan's conjecture A1. Basic stability theory
12.00 **
1.00 Lunch
3.45 Tea
4.30 Boris Zil'ber, Finite homogeneous geometries 1
6.30 Sherry reception at Grey College
7.00 Dinner

Wednesday 20 July

- 9.30 Simon Thomas, ω -categorical geometries as a way into Lachlan's conjecture A2. ω -stable ω -categorical structures
10.25 Coffee
10.55 Dugald Macpherson, Smoothly approximated ω -categorical structures
12.00 ~~**~~ Informal talk: Ehud Hrushovski; Construction of a strongly minimal set.
1.00 Lunch
3.45 Tea
4.30 Graham Higman, Some countably free groups
5.35 Alan Mekler, Almost free groups in varieties
7.00 Dinner

Thursday 21 July

- 9.30 Peter Cameron, Groups with finitely many orbits on tuples 2. Growth rates
10.25 Coffee
10.55 Peter Neumann, Jordan groups
12.00 **
1.00 Lunch
3.45 Tea
4.30 Jonathan Hall, A local characterization of simple groups with faithful representations as finitary linear groups
5.35 Richard Phillips, Finitary transformation groups
7.00 Dinner

Friday 22 July

- 9.30 Peter Cameron, Groups with finitely many orbits on tuples 3. Subgroups
10.25 Coffee
10.55 Ma'atayahu Rubin, On the reconstruction problem for trees
12.00 **
1.00 Lunch
2.00 Visit to cathedral
3.45 Tea
4.30 B. H. Neumann, Commutator laws in groups
5.35 **
7.00 Dinner

Saturday 23 July

- 9.30 Simon Thomas, ω -categorical geometries as a way into Lachlan's conjecture B1. Coordinatisation in stable ω -categorical structures
10.25 Coffee
10.55 Ehud Hrushovski, Problems of coordinatization in superstable, especially ω_1 -categorical theories
12.00 **
1.00 Lunch
3.45 Tea
4.30 Boris Zil'ber, Finite homogeneous geometries 2
5.35 Ali Nesin, Splitting in solvable groups of finite Morley rank
7.00 Dinner

Sunday 24 July

No lectures.

9.00-5.30 (approx)

Coach outing to Grosmont (North Yorks steam railway), Pickering and Whitby (coastal town with ruins of old abbey).

Monday 25 July

- 9.30 Simon Thomas, ω -categorical geometries as a way into Lachlan's conjecture B2. ω -categorical expansions of projective spaces
10.25 Coffee
10.55 David M. Evans, The small index property for ω -categorical structures
12.30 Photograph on steps of Grey College
1.00 Lunch
3.45 Tea
4.30 Boris Zil'ber, Finite homogeneous geometries 3
5.35 Alexander Borovik, Finite group theory and groups of finite Morley rank
7.00 Dinner

Tuesday 26 July

- 9.30 Peter Cameron, Groups with finitely many orbits on tuples 4. Subgroups (continued)
10.25 Coffee
10.55 Manfred Droste, Complete embeddings of linear orderings and embeddings of lattice-ordered groups
12.00 **
1.00 Lunch
3.45 Tea
4.30 ~~Kenneth Hickin, Tree limits and Jordan representations~~ *Mac-dyn.*
5.35 Felix Leinen, Constructions of supergroups by means of permutational products and wreath products
7.00 Special dinner

Wednesday 27 July

9.30 Peter Cameron, Groups with finitely many orbits on tuples 5.
Miscellanea
10.25 Coffee
10.55 Simon Thomas, ω -categorical geometries as a way into Lachlan's
conjecture B3. Odds & sods
12.00 ** *R. Kaye: Automorphisms of recursively saturated structures.*
1.00 Lunch
3.45 Tea
4.30 Boris Zil'ber, Finite homogeneous geometries 4
5.35 **
7.00 Dinner

Thursday 28 July

Departure

Other lectures offered but not scheduled in this programme:

Andreas Baudisch, On the model theory of relatively free groups.

Gregory L. Cherlin, Pseudofinite structures.

Ulrich Felgner, Pseudo finite groups.

Thomas Forster, Actions of the full symmetric group of the Universe on the family
of permutation models in the sense of Rieger-Bernays.

Tony Gardiner, 1-homogeneous groups.

Michèle Giraudet, Groups of monotonic permutations of chains.

Alistair H. Lachlan, *Coordinatization of stable homogeneous structures*

Angus Macintyre, Nonstandard Frobenius maps and generic automorphisms
of the algebraic numbers.

Francis Oger, Finite images and elementary equivalence of groups.

Michael G. Peretyatkin, Inclusion of axiomatizable theories into finitely
axiomatizable ones.

~~Alexander G. Pinus, Skeletons of congruence distributive varieties (read by
Oleg V. Belegradskiy)~~

Dan Saracino, Prime existentially complete commutative rings.

A. J. Wilkie, The model theory of analytic functions.