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\* THE HEBREW UNIVERSITY OF JERUSALEM \*  
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THE HEBREW UNIVERSITY OF JERUSALEM  
THE INSTITUTE FOR ADVANCED STUDIES

WORKSHOP IN MATHEMATICS

THE STRUCTURE OF DISCRETE SUBGROUPS OF LIE GROUPS

March 11 - 14, 2002

Program

Monday, March 11

09:00 - 9:30 Registration in the Lobby of the Institute

9:30 - 10:30 Alex Lubotzky  
Nonarithmetic Superrigid Groups: Counterexamples to  
Platonov's Conjecture

10:30-11:00 coffee break

11:00 - 12:00 Vadim Kaimanovich  
The Mapping Class Group & Lattices in Semi-Simple Lie Groups  
(1)

12:00 - 14:00 Lunch

14:00 - 15:00 Yair Glasner  
On Products of Trees and Groups of Finite Automata

15:00-15:15 coffee break

15:15-16:15 Tsachik Gelander  
Counting Manifolds (1)

Tuesday, March 12

9:30 - 10:30 Shahar Mozes  
Trees, Products and Lattices (1)

10:30-11:00 coffee break

11:00 - 12:00 Vadim Kaimanovich  
The Mapping Class Group & Lattices in Semi-Simple Lie Groups  
(2)

12:00-14:00 Lunch

\*14:00-16:00 Vaughan Jones (UCB)  
Representations of the annular Temperley-Lieb algebras  
(This lecture will take place in Room 110 at The Institute of  
Mathematics)

\*16:00-17:00 Yosef Hofbauer (Vienna)  
Unpredictability in Population Dynamics  
(This lecture will take place in Room 209 at The Institute of  
Mathematics)

Wednesday, March 13

09:30 - 10:30 Shahar Mozes  
Trees, Products and Lattices (2)

10:30-11:00            coffee break

11:00 - 12:00    Vadim Kaimanovich  
                  The Mapping Class Group & Lattices in Semi-Simple Lie Groups  
(3)

12:00-14:00        lunch

13:30-14:30        Emmanuel Breuillard  
                  On Free Dense Subgroups of Semisimple Lie Groups

\*15:00-16:00      Vaughan Jones (UCB)  
                  Spin Models  
(This lecture will take place in Room 2 at The Institute of  
Mathematics)

16:30-17:30        Barak Weiss  
  
                  Divergent Trajectories on Homogeneous Spaces

Thursday, March 14

09:30 - 10:30    Uri Bader  
                  Conformal Actions of Lie Groups

10:30-11:00            coffee break

11:00 - 12:00    Vadim Kaimanovich  
                  The Mapping Class Group & Lattices in Semi-Simple Lie Groups  
(4)

12:00 - 14:00            Lunch

14:00-15:00        Tsachik Gelander  
                  Counting Manifolds (2)

\*16:00-17:00      Madhu Sudan (MIT)  
                  List Decoding of Reed-Solomon Codes (This lecture (ERDOS  
Memorial Lecture) will take place in Room 2 at the  
Institute of Mathematics)

Note that the lectures marked by \* are not part of the Midrasha.