



THE HEBREW UNIVERSITY OF JERUSALEM
THE INSTITUTE FOR ADVANCED STUDIES

With the support of the Russian Friends of The Hebrew University

CONFERENCE

MODERN ANALYSIS AND MOSCOW UNIVERSITY

May 31 – June 3, 2004

Monday, May 31

- 09:30-10:00 Greetings:
- 10:00-11:00 **Anatole Katok** (Pennsylvania State University): Actions of Higher Rank Abelian Groups and Their Connections to Modern Analysis and Number Theory (1)
- 11:00-11:30 Coffee break
- 11:30-12:30 **Yulij Ilyashenko** (Cornell University & Moscow University): Selected topics in differential equations with real and complex time.
- 12:30-14:00 Lunch at Beit Belgia
- 14:00-15:00 **Rostislav Grigorchuk** (Texas A & M University): Branch Groups and Kolmogorov Complexity
- 19:00 Reception in Lobby of Institute for Advanced Studies

Tuesday, June 1

- 10:00-11:00 **Anatole Katok**: Actions of Higher Rank Abelian Groups and Their Connections to Modern Analysis and Number Theory (2)
- 11:00-11:30 Coffee break
- 11:30-12:30 **Yulij Ilyashenko**: Selected Complex Differential Equations with Real and Complex Time (2)
- 12:30-14:00 Lunch
- 14:00-15:00 **Alexander Varchenko** (University North Carolina, Chapel Hill): Special Functions, KZ Type Equations, and Representation Theory(1)
- 16:30-18:00 Video Conference: **Y. Sinai**: Navier-Stokes system and Dynamical systems

Wednesday, June 2nd

- 10:00-11:00 **Yulij Ilyashenko**: Selected Complex Differential Equations with Real and Complex Time (3)
- 11:00-11:30 Coffee break
- 11:30-12:30 **Alexander Varchenko**: Special Functions, KZ Type Equations, and Representation Theory (2)
- 12:30 Half day tour of the Old City of Jerusalem (including lunch at Ramat Rahel Guest House)

Thursday, June 3rd

- 10:00-11:00 **Alexander Varchenko**: Special Functions, KZ Type Equations, and Representation Theory (3)
- 11:00-11:30 Coffee break
- 11:30-12:00 **Anatole Katok**: Actions of Higher Rank Abelian Groups and Their Connections to Modern Analysis and Number Theory (3)
- 12:30-14:00 Lunch
- 16:00-17:00 Colloquium: **Sergey Novikov** (University of Maryland)
- 19:00 Conference Dinner

All lectures (except for Colloquium which will take place at the Institute of Mathematics) will take place in Room 130, Feldman Building, Edmond J. Safra campus at Givat Ram, Jerusalem.