

INSTITUTE OF ADVANCED STUDIES IN MATHEMATICS

Technion-Israel Institute of Technology



INTERNATIONAL WORKSHOP

on

GEOMETRIC CONVEX ANALYSIS

19-20 March, 2000



in

**Room 814
Amado Mathematics Building
Technion, Haifa, Israel**

Participants: Franck Barthe (France), Yoav Benyamini (Israel), Dario Cordero (France), Arye Dvoretzky (Israel), Effim Gluskin (Israel), Olivier Guédon (France), William B. Johnson (U.S.A.), Joram Lindenstrauss (Israel), Olga Maleva (Israel), Shahar Mendelson (Israel), Mathieu Meyer (France), Vitali Milman (Israel), Assaf Naor (Israel), Alain Pajor (France), Gideon Schechtman (Israel), Simeon Reich (Israel), Shlomo Reisner (Israel), David Saphar (Israel), Antonis Tsolomitis (Greece), Lior Tzafriri (Israel), Rafael Villa (Spain), Alexander Zaslavski (Israel), Mordecay Zippin (Israel), Artem Zvavitch (Israel)

Organizers: Yehoram Gordon and Alexander Litvak

For further information :

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Program


Sunday, 19 March Morning session

10:00-12:00 Informal discussions

Afternoon session

14:00-14:50 Franck Barthe (Paris, France)
Isoperimetry for product measures, comparison with the Gaussian case

15:00-15:40 Rafael Villa (Seville, Spain)
Concentration of the distance for finite dimensional normed spaces

15:40-16:10 

16:10-16:40 Artem Zvavitch (Rehovot, Israel)
Embeddings of subspaces of L_p ($0 < p < 1$) in \mathbb{I}_p^n via majorizing measures


16:50-17:30 Dario Cordero (Marne-la-Vallee, France)
Prekopa-Leindler inequalities in manifolds

18:00 Departure for dinner in Acre

Monday, 20 March Morning session

09:00-09:30 Mordecai Zippin (Jerusalem, Israel)
A local minimality property of translation invariant projections on $L/p(G)$

09:40-10:20 Assaf Naor (Jerusalem, Israel)
Isomorphic embeddings of \mathbb{I}_p^m in \mathbb{I}_p^n


10:20-10:50 

10:50-11:30 Olivier Guedon (Paris, France)
Euclidean projections of a p -convex body

11:40-12:30 Antonis Tsolomitis (Samos, Greece)
John's theorem for an arbitrary pair of convex bodies

Afternoon session

14:30-15:10 Simeon Reich / Alexander Zaslavski (Haifa, Israel)
The set of divergent descent methods in a Banach space is sigma-porous

15:10-15:30 

Colloquium talk (Room 232)

15:30-16:25 Gideon Schechtman (Rehovot, Israel)
Affine approximation of Lipschitz maps between Banach spaces



Coffee will be available in the 8th floor faculty lounge