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

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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
16:10-16:40  Artem Zvavitch (Rehovot, Israel)
Embeddings of subspaces of $L_p(0<p<1)$ in $l^p$ via majorizing measures
16:50-17:30  Dario Cordero (Marne-la-Vallee, France)
Prekopa-Leindler inequalities in manifolds

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 $l^m_p$ in $l^n_p$
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