Workshop on Approximation Theory - Tel-Aviv University, February 2002

All lectures will take place in room 006 of the Schreiber Bldg.

Program

Wednesday, February 20

09:30 - 10:15: Ron DeVore, South Carolina, *Compression and Encoding of Digital Terrain Data*

10:15 - 11:00: Wolfgang Dahmen, Aachen, *Sparse Approximation of Nonlinear Functions of Multiscale Expansions*

11:00 - 11:30: Coffee Break

11:30 - 12:15: Shai Dekel, Tel-Aviv, *On the Relations between Piecewise Polynomial and Rational Approximation in $L_p(R^2)$*

12:15 - 13:00: Vladimir Temlyakov, South Carolina, *Lower Estimates in Best m-Term Approximation*

13:00 - 15:00: Lunch Break

15:00 - 15:45: Igor A. Shevchuk, Kyiv, *Coconvex Polynomial Approximation*

15:45 - 16:30: Zeev Ditzian, Edmonton, *Inequalities of Kolmogorov and Wirtinger Type*

16:30 - 17:00: Coffee Break

17:00 - 17:45: Eitan Tadmor, UCLA, *Adaptive Kernels for the High Resolution Recovery of Piecewise Smooth Data from its Spectral Information*

19:00: Reception, Dolfi and Lola Ebner Hall, Sackler School of Medicine

Thursday, February 21

09:30 - 10:15: Paul Nevai, Ohio State, *Characterization of Orthogonal Polynomials (from George Pólya to Barry Simon)*

10:15 - 11:00: Manfred von Golitschek, Würzburg, *Penalized Least Squares Approximation*

11:00 - 11:30: Coffee Break

11:30 - 12:15: Panagiotis Kaklis, Athens, *Spatial Geometric Hermite Interpolation*

12:15 - 13:00: Viktor N. Konovalov, Kyiv, *Influence of the Shape of Functions on the Degree of Approximation*

13:00 - 15:00: Lunch Break

15:00 - 15:45: Konstantin Oskolkov, South Carolina, *Gridge Approximation and Radon Compass*

15:45 - 16:30: Bruce L. Chalmers, Riverside, *An n-Dimensional Hahn-Banach Extension Theorem and Minimal Projections*

16:30 - 17:00: Coffee Break

17:00 - 17:45: Jozsef Szabados, Budapest, *Markov-Bernstein Factors for Multivariate Polynomials*