Geometry Seminar
Tuesday, October 19, 2010
Room 201 WWH at 6:00 P.M.

Improved Bounds for Geometric Permutations.

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We show that the number of geometric permutations of an arbitrary collection of n pairwise disjoint convex sets in $\mathbb{R}^d$, for $d \geq 3$, is $O(n^{2d-3} \log n)$, improving Wenger's 20 years old bound of $O(n^{2d-2})$.

Joint work with Haim Kaplan and Micha Sharir.

For more information please visit the seminar website at:
http://www.math.nyu.edu/seminars/geometry_seminar.html.