Seminar on Combinatorial Computing
October 25, Wednesday, 6:30 p.m.
Room 8404, Graduate Center
365 Fifth Avenue, New York

New results on circles in the plane

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Abstract

We describe some new results concerning arrangements of circles in the affine plane. In particular, we give new upper bounds to the number of empty lenses in various families of circles. We also discuss some Gallai-Sylvester type questions about circles. For example, consider a family of circles in the plane. Does there always exists an intersection point with few circles passing through it? (This is, in part, a joint work with Noga Alon, Hagit Last, and Micha Sharir.)

For further information contact Janos Pach at pach@cims.nyu.edu, or visit our website: http://math.gc.cuny.edu/Seminars/Combinatorics.html