קולוקוויום

ההרצאה

bounding and lenses, cutting cycles, Eliminating incidences

תינתן על-ידי

(TAU) Sharir MIcha

תקציר: The talk covers two unrelated topics in combinatorial geometry that have recently reached a confluence: incidences between points and curves in the plane, or surfaces in higher dimensions, and elimination of cycles in depth the in curves and points between incidences confluence: a reached recently have the in curves and points between incidences confluence: a reached recently have depth the in cycles of elimination and dimensions, higher in surfaces or plane, by inspired problem, latter the on progress Recent 3-space. in lines of relation bound, tight nearly a yielded has Katz, and Guth of machinery algebraic new the a for cycles all eliminate to needed cuts of number the on $n^{3/2}$, roughly of to leads turn in This 3-space. in curves, algebraic simply-shaped or lines, n of set n of collection a turn to needed are that cuts of number the on bound similar a pseudo-segments of collection a into plane the in arcs algebraic constant-degree among leads, This once). most at intersect subarcs new the of pair each (i.e., and points between bounds incidence improved to applications, other several

of bound general older the than better are which plane, the in arcs algebraic also It curves. the of freedom" of "degrees of number any for Sharir, and Pach points or planes and points between incidences for bounds new several to leads dimensions. three in spheres and

Zahl. Joshua and Solomon, Noam Aronov, Boris with works joint on Based