

המחלקה למתמטיקה, בן-גוריון

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## קולוקוויום

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ביום שלישי, 22 במרץ, 2016

בשעה 14:30 – 15:30

ב-101 Math

ההרצאה

### **bounding and lenses, cutting cycles, Eliminating incidences**

חינתן על-ידי

(TAU) Sharir Micha

**תקציר:** The talk covers two unrelated topics in combinatorial geometry. The first topic is about the incidence between points and curves in the plane, and the second is about the incidence between points and arcs of constant-degree algebraic curves in 3-space. The talk discusses recent progress in both areas, including the work of Guth and Katz on the incidence between points and lines in 3-space, and the work of Sharir and others on the incidence between points and arcs of constant-degree algebraic curves in 3-space. The talk also discusses some applications of these results to other areas of mathematics.

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