

# **SPECIAL COMBINATORICS SEMINAR**

## **KINETIC COLLISION DETECTION FOR CONVEX FAT OBJECTS**

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### **ABSTRACT:**

This talk will first give a brief introduction to kinetic data structures and then cover some recent results on kinetic collision detection in three dimensions. In particular, I will show how to design compact and responsive kinetic data structures for detecting collisions between  $n$  convex fat objects in 3-dimensional space that can have arbitrary sizes.

Thursday, November 16, 2006  
3:00 p.m.

M.I.T. Room 2-135

<http://www-math.mit.edu/~combin>