

# PHYSICAL MATHEMATICS SEMINAR

## HARD AND SOFT IMPACTS OF SOLIDS AND LIQUIDS

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**ABSTRACT:**

I will discuss the dynamics of deformable objects impacted by a source of momentum. Examples will include hard (elastic) objects impacted by another hard object in simple geometries (rods and sheets), soft objects (liquids) impacting a solid, and the case of a soft object deforming in another even softer medium (gas). I will underline the interest of these observations for the problem of fragmentation in general, and for understanding natural phenomena like rain.

**TUESDAY, MARCH 29, 2011**

**2:30 PM**

**Building 2, Room 105**

*Refreshments at 3:30 PM in Building 2, Room 290*



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