TEMPLE UNIVERSITY GEOMETRY SEMINAR

Josh Sabloff

Haverford College

will speak on

Symplectic rigidity for Lagrangian cobordisms

ABSTRACT: A fruitful way to frame the study of symplectic geometry is as the search for the boundary between symplectic flexibility (when symplectic objects behave like topological objects) and rigidity (when symplectic behavior is more restrictive). I will introduce this central theme through a visually appealing set of problems involving geometric properties of special cylinders in $\mathbb{R}^4$, and will then describe a technique (capacities derived from generating families) for solving these problems. This is mostly joint work with Lisa Traynor, with the rest joint with Phil Eiseman, Jon Lima, and Lisa Traynor.

TUESDAY, 7 OCTOBER 2008
LECTURE AT 1:10 PM
ROOM 617, WACHMAN BUILDING
DEPARTMENT OF MATHEMATICS