

# Mathematical Conversations

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Kozai-Lidov Oscillations

Scott Tremaine

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**Date & Time:** Wed, 02/13/2013 - 18:00 - 19:30

**Location:** Dilworth Room

**Rooms:** Dilworth Room - Rear

**Rooms:** Dilworth Room

These are a curious and only recently appreciated phenomenon in celestial mechanics, in which (for example) a planet orbiting one member of a binary star system undergoes large, slow oscillations in its orbital eccentricity and inclination. I will describe the mechanics of Kozai-Lidov oscillations, some of their unexpected properties, and their consequences for a variety of astronomical systems.

43949

Dorothea Phares

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Tue, 04/10/2012 - 15:03

Wed, 02/06/2013 - 18:06

terms:

- [Facilities Schedule](#),
- [School of Mathematics](#)