



KOÇ UNIVERSITY

## Science – Math Seminar

**Speaker:** Prof. M. Ali Alpar, Sabanci University

**Date:** Thursday, Dec. 22, 2005

**Time:** 16:45 (Tea and cookies will be served at 16:30)

**Place:** Science building, Room Z42

**Title:** Kilohertz Quasi-Periodic Oscillations and the Modes of an Accretion Disk

**Abstract:**

Kilohertz quasiperiodic oscillations (QPOs) provide important clues to the physics of neutron stars and their environments. The observed frequency bands of QPOs are likely to be the frequency bands of dominant modes of the accretion disks. Under the conditions of the transition or boundary regions of accretion disks, the highest frequencies are the epicyclic (radial) oscillation frequencies rather than the Keplerian orbital frequencies.

---

Please visit <http://home.ku.edu.tr/~sci-math> for a schedule of upcoming Science  
-Math seminars.