

1082-35-217

**Zuoqin Wang\*** (wangzuoq@umich.edu). *Spectral invariants for the perturbed harmonic oscillator.*

In this talk we will study a semiclassical heat trace expansion for perturbations of the harmonic oscillator. Using the expansion we can obtain certain inverse spectral results. This is a joint work with Victor Guillemin and Alejandro Uribe. (Received July 09, 2012)