



Speaker: Nikhil Savale
University of Notre Dame

Tuesday, April 15, 2014
1:00 PM
258 Hurley Hall

Title: Semiclassical limit and the Bergman kernel asymptotics, II.

Abstract:

We shall see a proof of the Gutzwiller trace formula using the theory of Fourier integral operators as in Guillemin and Sternberg's "Semiclassical Analysis". We then prove spectral estimates around nondegenerate as well as Morse Bott degenerate critical levels. We end with describing the connections with the Bergman kernel.