



Speaker: Nikhil Savale
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Tuesday, April 1, 2014
1:00 PM
258 Hurley Hall

Title: Semiclassical limit and the Bergman kernel asymptotics

Abstract:

In this talk we will give an overview of the parametrix construction for the evolution operator of the wave equation of a semiclassical operator. We shall present some applications to semiclassical spectral asymptotics. We then outline the Tian-Zelditch asymptotic result for the Bergman kernel following the approach of Berndtsson, Berman and Sjöstrand: Séminaire É. D. P. (2004-2005), Exposé no XXII.