IP/DIFFERENTIAL GEOMETRY/PDE SEMINAR

Tuesday, March 29, 2016
LOW 115
4–5PM

Numerical Computation of Semiclassical Dynamics in Several Space Dimensions

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We present techniques for solving the time-dependent Schrodinger equation for small values of the Planck constant and/or fairly high space dimensions. The ideas follow the algorithm of Faou, Gradinaru, and Lubich, but use a new technique to avoid an unstable part of the computation.

For more information about this seminar, visit the DG/PDE Seminar Web page (from the Math Department home page, `www.math.washington.edu`, follow the link **Seminars, Colloquia, and Conferences**).