

PIMS DISTINGUISHED LECTURE II

WEDNESDAY, APRIL 12, 2006

PADEL FORD C-36

3:50-5PM

Recent Progress in Schrödinger Flows

Wei-Yue DING

(PEKING UNIVERSITY)

Schrödinger Flow is a Hamiltonian flow for mappings from a Riemannian manifold into a Kähler manifold with the energy $E(u)$ as the Hamiltonian. It is also known as ‘Schrödinger map’. In this talk I will survey on some results for the existence of solutions to the initial value problem of the flow, possible existence of finite-time blow-up of smooth solutions, and existence of special solutions of the flow.

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**).

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