



*Institute of Mathematical Research
Department of Mathematics*

Seminar

A geometric flow towards Hamiltonian stationary submanifolds

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Abstract

In joint work with Micah Warren, we introduce a geometric flow for Lagrangian submanifolds in a Kahler manifold which stays in its initial Hamiltonian isotopy class and is a gradient flow for volume, and the stationary solutions are the Hamiltonian stationary Lagrangian submanifolds. We establish shorttime existence, uniqueness and higher order estimates for compact initial data.

Date: May 2, 2024 (Thursday)

Time: 4:00 - 5:00pm

Venue: Room 210, Run Run Shaw Building, HKU
and

Zoom: <https://hku.zoom.us/j/93276772200>

Meeting ID: 932 7677 2200

NO Password is required