

FLOWS AND FOLIATIONS ON 3-MANIFOLDS: AN OVERVIEW

Speaker: Chi Cheuk Tsang
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Time: Dec. 4th, Friday 16:30 - 17:30.
Venue: Room 106, SCMS

Abstract:

One method of studying the geometry and topology of 3-manifolds is by studying the flows and foliations on them. This approach grew out of a strategy of Thurston to prove geometrization, and has been shown to have deep links with other topics in low-dimensional topology. In this talk, we provide an overview of the field, sampling the status of key steps of Thurston's program, as well as discussing some more current research directions.