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The Hong Kong University of Science and Technology

Department of Mathematics

Seminar on Pure Mathematics

**Chern-Ricci flow on non-compact manifolds
with applications**

By

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Abstract

In this work, we study geometric flow of metrics along the direction of Chern-Ricci curvature. We obtain an existence criteria for Chern-Ricci flow on non-compact manifolds. Using this, we study the Ricci flow on non-collapsing Kaehler manifolds with non-negative bisectional curvature and give an alternative proof of Gang Liu's result on Yau's uniformization conjecture. This is joint work with Prof. L.F. Tam.

Date: Thursday, 21 December 2017

Time: 4:15p.m. - 5:15p.m.

***Venue: Room 3494, Academic Building
(near Lifts 25&26), HKUST***

All are welcome!