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The Hong Kong University of Science and Technology

Department of Mathematics

Seminar on Pure Mathematics

Hermitian manifolds with nonpositive curvature

By

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Abstract

A recent result of Wu and Yau asserts that a complete noncompact Kahler manifold with bounded and negatively pinched holomorphic sectional curvature supports a unique complete Kahler Einstein metric with negative scalar curvature. In this talk, we will discuss some extension along this direction. If time permits, we will also talk about the situation where the Kahlerity is not assumed. Part of these are joint work with S. Huang, L.-F. Tam, F. Tong.

Date: Thursday, 20 December 2018

Time: 4:00p.m. - 5:00p.m.

**Venue: Room 5504, Academic Building
HKUST (*Lifts 25-26*)**

All are welcome!