The Hong Kong University of Science and Technology

Department of Mathematics

<u>Seminar on PDE</u>

Some Liouville type theorems on Riemannian manifolds

by

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<u>Abstract</u>

In this talk, I introduce a sharp gradient estimate for linear heat equation on complete non-compact Riemannian manifolds which can be considered as an extension of Hamilton's gradient estimate. Moreover, I also give Liouville results for some nonlinear equations involving p-Laplacian.

Date: **Tuesday, 3 September 2019**

Time: **2:00p.m. - 3:00p.m.**

Venue: **Room 3472, Academic Building (near Lifts 25 - 26), HKUST**

All are welcome!