



DEPARTMENT OF APPLIED MATHEMATICS

應 用 數 學 系

**The Hong Kong Polytechnic University
Department of Applied Mathematics**

Colloquium

Discrete gradients for computing inverse imaging solution

by

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Abstract

Discrete gradient methods are well-known methods of Geometric Numerical Integration, which preserve the dissipation of gradient systems. The preservation of the dissipation of a system is an important feature in many image processing tasks. In this talk we promote the use of discrete gradient methods in image processing by several experiments with nonlinear total variation deblurring and denoising experiments.

This is joint work with Volker Grimm, Robert McLachlan, David McLaren and Reinout Quispel.

Date : 27 September, 2016 (Tuesday)

Time : 4:00p.m. – 5:00p.m.

Venue : TU801, The Hong Kong Polytechnic University

***** ALL ARE WELCOME *****