

中央研究院數學研究所

Institute of Mathematics, Academia Sinica

Taipei Postdoc Seminar

Speaker : Hsuan-Yi Liao (Penn. State University)

Title : **Formality Theorem for Differential Graded Manifolds**

Abstract :

Kontsevich established a formality theorem and applied it to solve the deformation quantization problem for Poisson manifolds. Following Kontsevich's method, we obtained a formality theorem for dg manifolds. As an application, we extended Duflo theorem in Lie theory to the context of dg manifolds. In this talk, I'll start with an introduction to L-infinity algebras, Kontsevich formality theorem and deformation quantization problem. After that, I plan to explain formality and Kontsevich-Duflo theorem for dg manifolds.

Time : 11:00 - 12:30, **Thursday**, Sep. 20, 2018

Venue : Room 638, Astro-Math. Buidling (NTU Campus)

Organizer : Sheng-Fu Chiu (Academia Sinica), Chien-Hsun Wang (National Center for Theoretical Sciences)

Refreshment : 10:30

http://www.math.sinica.edu.tw/www/file_upload/conference/2016TPS/index.html

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