

中央研究院數學研究所

Institute of Mathematics, Academia Sinica

Taipei Postdoc Seminar

Speaker : 劉筱凡 博士 Dr. Hsiao-Fan Liu
(本所 Academia Sinica)

Title : *An introductory on discrete versions of Painlevé equations*

Abstract :

The six Painlevé equations ($P_I - P_{VI}$) play an important role in many areas of mathematics and physics, and the connection with integrable systems has been well-established. Recently, discrete integrable systems have gained more attention and hence it is natural to consider discrete versions of Painlevé equations. In this talk, we will present discrete forms of the P_{III} , P_{IV} and P_V . These mappings go over to the Painlevé equations in the continuous limit. The singularity confinement test as a discrete analogue of the Painlevé property will be also discussed.

Time : 11:00 – 12:30, Wednesday, May 31, 2017

Venue : Room 202, Astro-Math. Buidling (NTU Campus)

Organizer : Yu-Yen Chien (NCTS), Jyun-Ao Lin (Academia Sinica)

Refreshment : 10:30

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