

中央研究院數學研究所

Institute of Mathematics, Academia Sinica

Taipei Postdoc Seminar

Speaker : 郭驥 Ji Guo (本所 Academia Sinica)

Title : An Overview of Some Progress on the Arithmetic of Linear Recurrences and the Complex Analogues

Abstract :

We will discuss some known problems concerning the arithmetic of linear recurrent sequences (e.g. defined over integers). First, given two linear recurrences defined over a number field, one can ask whether the quotient of them is also a linear recurrence. We are also interested in the gcd of two linear recurrences and the d -th root of a linear recurrence. In this talk, our goal is to give an overview of the developments of linear recurrences along the work of van der Poorten, Corvaja-Zannier and Levin as well as the corresponding problems for complex entire functions.

Time : 11:00 - 12:30, Wednesday, April 8, 2020

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

Organizer : Sheng-Fu Chiu (Academia Sinica), Jia-Yuan Dai (National Center for Theoretical Sciences)

Refreshment : 10:30

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

Lunch Box Sign Up and Registration: <https://reurl.cc/e5jjX7>

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2020.04.06