

中央研究院數學研究所

Institute of Mathematics, Academia Sinica

Taipei Postdoc Seminar

Speaker : 戴佳原 Jia-Yuan Dai (National Center for Theoretical Sciences)

Title : An invitation to pattern formation and feedback controls

Abstract :

Our beautiful world exhibits so many intricate spatio-temporal patterns. I will show several phenomena of pattern formation, explain their underlying mechanisms, and indicate possible ways of mathematical analysis. As a concrete example, I will share my results on the formation of spiral patterns governed by the complex Ginzburg-Landau equation. The framework of my talk is a trilogy: the existence of pattern, the (in)stability of pattern, and feedback controls of pattern.

Time : 11:00 - 12:30, Wednesday, May 06, 2020

Venue : Online (TBA)

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

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

中央研究院數學研究所 敬上

2020.04.30