

夏季研究成果報告

本活動歡迎所有大學部、
研究所師生一同參與。

Date: 2022/6/27 (Mon.)

Venue: Online + R515, NCTS (Cosmology Bldg., NTU)

09:00-09:05 主任致詞

09:05-09:30

Around Multinorm One Tori II

Speakers: 洪梵雲(NTU)、黃俊皓(NTNU)

Mentor: 余家富

09:30-09:55

Class Field Theory

Speakers: 李永丞 (NTU)、劉耀聰 (NTU)

Mentor: 李庭諭

09:55-10:25

On K3 Surfaces: Fibrations, Automorphisms and Some Applications

Speakers:

陳沅慕(NTU)、蘇品丞(NTU)、陳毅鴻(NTU)

Mentor: 陳榮凱

10:35-10:50

Long-Time Asymptotics for the KdV Equation via Riemann-Hilbert Problem

Speaker: 姜鈞(NSYSU)

Mentor: 黃信元

10:50-11:05

Linear Algebraic Approach to Equiangular Lines

Speaker: 高暉竣(NCTS)

Mentor: 俞韋巨

11:05-11:35

Random Projection, Phase Analysis and its Medical Applications

Speakers: 邱能泰(NYCU)、郝嘉誠(NYCU)、
蘇彥維(NYCU)、曾以諾(NCKU)

Mentor: 劉聚仁

11:35-12:00

Radom Matrix Models in Free Probability

Speakers: 蕭明(NTU)、周子涵(NCCU)

Mentor: 黃皓璋

13:30-13:45

Emmrich and Weinstein's Construction of Formal Flat Connections

Speaker: 張華旻(NTHU)

Mentor: 廖軒毅

13:45-14:00

Computation of Modular Units over Function Fields

Speaker: 陳冠廷 (NCTS)

Mentor: 魏福村

14:00-14:15

A Heat Kernel Proof of Kodaira Embedding Theorem

Speaker: 蘇爽(NCTS)

Mentor: 蕭欽玉

14:15-14:30

On the Third Coefficient of Berezin-Toeplitz Star Product

Speaker: 張晉嘉(NCTS)

Mentor: 蕭欽玉

14:40-15:05

Synchrosqueezed Chirplet Transforms for Cubic Phase Function

Speakers: 顏逸儒(NTU)、張詠信(NTU)

Mentor: 沈俊嚴

15:05-15:20

Falconer's Distance Conjecture and the Angle Problem

Speaker: 洪國棟(NCTS)

Mentor: 沈俊嚴

15:20-15:35

Eigenvalue Analysis of Spectral Methods in Ptychography

Speaker: 王淑瑄(NCHU)

Mentor: 陳鵬文

15:35-15:50

Geometry in Chemical Reaction Networks

Speaker: 黃雍晉(NCTS)

Mentors: 蔡志強、謝志豪

15:50-16:05

Fundamental Study of Numerical PDEs

Speaker: 鄭宇皓(NCTS)

Mentors: 楊肅煜

16:05-16:30 主任總結與意見交流