



Workshop of Undergraduate Research Opportunity Program 2022-23

Undergraduate Research Opportunity Program (UROP) aims to provide opportunities for undergraduate students to get first-hand experiences in carrying out academic research related to pure and applied mathematics. This workshop provides a platform for selected students to share about their research achievements.

Date: 6 October 2023
Venue: SWH 2
Fung King Hey Building

All are Welcome!



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10:20 – 10:30	Welcome Speech by Professor Jun ZOU, Chairman of Department of Mathematics, CUHK	
Hong Kong Time	Name of Selected Student(s)	Title of Presentation
10:30 – 11:00	YAU Ching Yan Timothy and YEUNG Long Him Salomon	Number Theory in the Spirit of Liouville
11:00 – 11:30	CHAU Kai Hong	A glimpse in ergodic theory and dynamical system
11:30 – 12:00	TONG Nok To Omega and LAW Sum Kiu Anson	The Group Cohomology of Periodized Hypertoric Varieties
12:00 – 14:00	Lunch	
14:00 – 14:30	LIU Chunhe	Generalized Engel Algorithm and its Application to Monopoly
14:30 – 15:00	DONG Mengxuan and LI Houting	Enhancing facial classification and recognition using 3D Facial Models and Deep Learning
15:00 – 15:30	CHOW Tsz Ching	Data-Driven I-V Feature Extraction for Photovoltaic Arrays
15:30 – 16:00	DONG Zelin	A new pivoting rule and further study for the vertex enumeration problem
16:00 – 16:30	Coffee Break	
16:30 – 17:00	ZHANG Xinfang	Introduction to Einstein field equations
17:00 – 17:30	AUNG Hein Thant and LEUNG Ka Lun	Asymptotic Bounds for AP-Free Sets in Vector Spaces over Finite Fields
17:30 – 18:00	LIU Matthew Jamie and NG Kwan To	Introduction to Modular Forms

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