



Workshop of Undergraduate Research Opportunity Program 2021-22

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: Friday, 29 July 2022 (Online and Face to Face)

Venue: T. Y. Wong Hall LT (TYW LT)

Meeting Link: <https://cuhk.zoom.us/j/92095903297>

Meeting ID: 920 9590 3297

All are Welcome!



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10:00 – 10:10	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	CHEN Ruizhe	Mathematical Models of Viscous Friction
11:00 – 11:30	XU Zhehao and WEI Yulin	A novel model for the early diagnosis of Alzheimer’s Disease
11:30 – 12:00	LAW Sum Kiu	Equivariant Cohomology and GKM Action
12:00 – 14:00	Lunch	
14:00 – 14:30	WONG Ming Hei, LI Meixi and TAM King Man	Preliminary Diagnosis of Childhood Obstructive Sleep Apnea using 2D Images by Quasi-Conformal Geometry
14:30 – 15:00	TONG Nok To Omega	The Geometry of Matroids
15:00 – 15:30	ZHANG Yifan and GU Zhehao	Molecular Subtype Classification of Breast Cancer
15:30 – 16:00	Coffee Break	
16:00 – 16:30	YU Hang	Nematic Liquid Crystal Flows with Low Viscosity
16:30 – 17:00	HO Cheuk Hin	Physically Informed Continuous Beltrami Equation Solver Network
17:00 – 17:30	2020-21 UROP Award Ceremony	

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