

AMENDMENT

For Favour of Posting



The Institute of Mathematical Sciences
Department of Mathematics
The Chinese University of Hong Kong

數學科學研究所
數學系
香港中文大學

Phone: (852) 3943 8038 • Email: ims@ims.cuhk.edu.hk
Unit 601, 6/F, Academic Building No. 1, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong
Phone: (852) 3943 7988 • Fax: (852) 2603 5154 • Email: dept@math.cuhk.edu.hk
Rm. 220, 2/F, Lady Shaw Building, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong

IMS-MATH Joint Short Course

Talk 2

On non-simple blowup solutions of Liouville equation with quantized sources

Abstract: For Liouville equation with quantized singular sources, the nonsimple blowup phenomenon has been a major difficulty for years. In this talk I will present several systematic studies on non-simple phenomenon. First we prove that non-simple blow-up does not occur in the Dirichlet boundary conditions. Second we show that non-simple blow-up, if exists, must be single. Finally some vanishing theorems will be proved. (Joint work with D'Aprile and Lei Zhang.)

By

Professor Juncheng WEI

Department of Mathematics, University of British Columbia

Date	: May 9, 2023 (Tuesday)
Time	: 4:00pm – 5:00pm
Venue	: Room 501a, Academic Building No. 1, CUHK

All are Welcome