



香港中文大學
The Chinese University of Hong Kong



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FIRST IN
CHANGE

Analysis and PDE Seminar

Professor Frederick Tsz-Ho Fong

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TITLE: Long-time solutions of the Kahler-Ricci flow

Date : May 25th, 2022 (Wednesday)

Time : 10am-11am (Hong Kong time)

11am-12noon (Korea time)



Link to ZOOM : <https://unist-kr.zoom.us/j/3170659442>

Meeting ID : 317 065 9442

Password : APDE21

Abstract. In this talk, the speaker will give a survey of known results of long-time solutions of the Kahler-Ricci flow on compact Kahler manifolds. It is known that the Kahler-Ricci flow has long-time solution if and only if the canonical line bundle is nef. The speaker will focus on the case when the canonical line bundle is semi-ample, and will give an overview of established results about the convergence, regularity, curvature estimates of the flow. Part of these are joint works with Z. Zhang, Y.S. Zhang, and M.C. Lee.

All are welcome

This is a joint activity organized by Department of Mathematics, The Chinese University of Hong Kong, Hong Kong; Department of Mathematics, Institute of Mathematical Research, Research Division of Mathematical and Statistical Science, The University of Hong Kong, Hong Kong; and Department of Mathematical Sciences, Ulsan National Institute of Science and Technology, Korea. More details can be found in https://hkumath.hku.hk/~imr/event/CUHK_HKU_UNIST_Analysis_and_PDE/index.php.

