

國立中山大學應用數學系

學術演講

講者：Dr. Seonghyeon Jeong (Michigan State University)

講題：Monge-Ampere type equations

時間：2021/09/01 (Wednesday) 14:00 ~ 15:00

地點：本次為視訊演講 (Or join us at NSYSU room 理 4009-1)

Google Meet Link : <https://meet.google.com/vsk-vjgd-wfb>



Abstract

Monge-Ampere equation received a lot of attention from many mathematicians recently as it was closely related to the optimal transportation problem. Moreover, Monge-Ampere equation is a fully non-linear, degenerate elliptic partial differential equation, and therefore it was not possible to apply the theories developed for uniformly elliptic PDEs. Hence, it is needed to develop another method which fits to Monge-Ampere equation. In this talk, we introduce the relation between Monge-Ampere type equations and the optimal transportation problems and introduce some results about the regularity of solutions to Monge-Ampere type equations. If time permits, we introduce generated Jacobian equations, which are more generalized than Monge-Ampere type equations.

*** This is the second talk of 3 consecutive talks. The next one would be on 9/8(Wed.), 2pm.**

應用數學系：<http://math.nsysu.edu.tw>

校園地圖：http://math.nsysu.edu.tw/var/file/183/1183/img/779/nsysu_math_map.jpg

交通資訊：<https://www.nsysu.edu.tw/p/412-1000-4132.php?Lang=zh-tw>



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