國立交通大學應用數學系
學術演講公告

主講人：Dr. Kyung-Youn Kim (中研院 數學所)

講　題：Heat kernel estimates for a large class of Markov process

時　間：109 年 6 月 2 日(星期二) 下午 14:00 –15:00

地　點：(光復校區) 科學一館 223 室

茶　會：當天下午 13:30 (科學一館 205 室)

Abstract

　　We discuss recent researches on the heat kernel estimates, which is considered as the transition density in the probability theory.　This talk is based on my current two researches as follows:

(1) We discuss Dirichlet heat kernel estimates for a large class of a Markov process Y where its jumping kernel is comparable the one with a weak scaling condition.

This is joint work with Tomasz Grzywny and Panki Kim.

(2) Also we consider the non-isotropic Markov processes $Z:=(Z_1, \ldots, Z_d)$ where each coordinates Z_i are d--independent 1--dimensional α--stable processes.

This is joint work with Moritz Kassmann and Takashi Kumagai.

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