國立中山大學應用數學系
學術演講

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講　題：Random walks and effective resistance on graphs and digraphs

時　間：2024/05/24 (Friday) 15:10~16:00

地　點：理 SC 4009-1 教室

茶　會：14:45

Abstract

We give an exposition of how commute times on a graph are associated with the effective resistances defined over the same network via the Laplacian and its pseudo inverse of the graph. Moreover Kemeny's constant, the measure of the expected time to reach a vertex drawn from the stationary distribution regardless of what vertex to start with, also has a closed form expression in terms of pseudo inverse of Laplacian. We will then show our efforts to extend these results from graphs to digraphs and briefly describe future directions. This is a joint work with Professor Hong-Gwa Yeh.

敬 請 公 告！ 歡 迎 參 加！

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