

國立中山大學應用數學系

學術演講

講者：洪芷漪博士

Department of Mathematics, Waldorf College, Iowa,
U.S.A.

講題：An application of the coalescence theory to
branching random walks

時間：2014/07/10（星期四）10：10 ~ 11：00

地點：理學院四樓理 SC 4009-1 室

摘要

In a discrete-time single-type Galton-Watson branching random walk $\{Z_n, \zeta_n\}_{n \geq 0}$, where Z_n is the population of the n th generation and ζ_n is a collection of the positions on \mathbb{R} of the Z_n individuals in the n th generation. Let $Z_n(x)$ be the number of points in ζ_n that are less than or equal to x , for $x \in \mathbb{R}$. We find the limit behavior, as $n \rightarrow \infty$, of the sequence of random functions $\left\{ \frac{Z_n(x)}{Z_n} : -\infty < x < \infty \right\}$, namely the proportion of the points in ζ_n that are less than or equal to x , by means of the coalescence theory .

中山大學應用數學系

敬請公告！歡迎參加！

應用數學系：<http://math.nsysu.edu.tw>

校園地圖：<http://web.nsysu.edu.tw/files/11-1000-1503.php?Lang=zh-tw>

交通資訊：<http://www.nsysu.edu.tw/files/90-1000-7.php?Lang=zh-tw>



應用數學系



校園地圖



交通資訊