

國立中正大學數學系
暨應用數學碩士班、統計科學碩士班
學 術 演 講

Some Recent Developments on Selberg Central Limit Theorem

許柏翰 教授

Prof. Po-Han Hsu

國立中山大學應用數學系
Department of Applied Mathematics,
National Sun Yat-sen University

Abstract

The Selberg central limit theorem asserts the asymptotic normality of the logarithm of the Riemann zeta function along the critical line. It was originally shown by Selberg in 1946, and, according to Selberg himself, such a theorem holds for the functions in Selberg class. In 2017, Radziwill and Soundararajan gave this theorem a new and elegant proof. In this talk, we will first introduce the Selberg's central limit theorem and the Radziwill-Soundararajan method. Then we will talk about its multidimensional variant. Lastly, if time permits, we will address some studies regarding its rate of convergence.

日 期:114 年 12 月 24 日(星期三) 16:10~17:00

地 點:本校數學館 527 教室(嘉義縣民雄鄉大學路 168 號)

茶 會:15:30~16:00 數學館四樓 409 室舉行

歡迎參加 敬請公佈
交通資訊及校內地圖請參閱如下網址
<https://math.ccu.edu.tw/p/404-1069-12096.php?Lang=zh-tw>