

# **Reading Seminar on Number Theory**

主題：Introduction to Artin L-function (I)

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時間：October 4, 2024 10:00~11:00 am

地點：第三綜合大樓 R723

Abstract: The theory of L-functions offers a robust framework for investigating the arithmetic properties of integers and, more generally, integers in number fields. This approach involves translating these properties into the analytic behavior of specific functions, which can then be studied using tools from analysis. In this series of talks, Dr. Chien-Hua Chen will introduce Artin L-functions, following Horawa's notes, starting with the abelian case and extending to the general case. The aim of his talks is to provide an overview of key topics, including Brauer's Theorem, Artin representations, and Artin conductors, among others.

視訊會議室連結 (Cisco Webex) : <https://futsunwei.my.webex.com/meet/ftwei>

參考資料連結 : <https://people.maths.ox.ac.uk/horawa/L-functions.pdf>