



数
系
天
地
勤
笃
求
真

中国科学院数学与系统科学研究院
Academy of Mathematics and Systems Science
Chinese Academy of Sciences

- 首页
- 单位概况
- 组织机构
- 研究队伍
- 科研成果
- 教育培养
- 党群文化
- 人与事
- 期刊学会
- 图书馆
- 信息公开

现在位置: 首页 > 学术报告

Academy of Mathematics and Systems Science, CAS Colloquia & Seminars

Speaker: 赵世帆, Ohio State University

Inviter: 王标

Title: Siegel Zeros and Applications

Language: Chinese

Time & Venue: 2023.01.11 09:00-10:00 Zoom ID: 841 4547 6856 Password: 1728

Abstract: Siegel zeros are real zeros of L-functions that are very close to 1, the non-existence of which was conjectured as a direct consequence of the Grand Riemann Hypothesis (GRH). In this talk, we will start with Siegel zeros of Dirichlet L-functions - its origin, application and significance. We will then introduce Siegel zeros of general L-functions. In particular, we will talk about known cases of their non-existence, starting from the work of Hoffstein, Goldfeld and Lieman in 1994. Finally, I will talk about a recent result about the non-existence of Siegel zeros of certain symmetric power L-functions, and its application to lower bounds of those L-functions at $s=1$.

[【打印本页】](#) [【关闭本页】](#)



中国科学院
CHINESE ACADEMY OF SCIENCES

