



## 复旦大学数学科学学院 数学综合报告会

报告题目: Gravitational waves and Bondi-Sachs framework

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地点: 腾讯会议ID: 105 189 933, 密码: 210430

报告摘要:

Almost 100 years ago, Einstein predicted gravitational wave right after his discovery of general relativity (GR). Due to the complexity of the diffeomorphism in GR, people (including Einstein himself) have argued the existence of gravitational wave for quite a long time. Till 1960s, Bondi and his coworkers solved this debate theoretically. In 2015, the first direct gravitational wave detection events was confirmed by LIGO. In this talk, the gravitational waves based on linear approximation and the famous Bondi-Sachs framework will be introduced. Some recent progress on this topic will also be discussed.

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