

國立陽明交通大學應用數學系 學術演講公告

主講人：王業凱教授（國立陽明交通大學 應用數學系）

講題：Supertranslation invariance of angular momentum

時間：111 年 11 月 22 日(星期二) 下午 2:00 –3:00

地點：(光復校區) 科學一館 223 室

Abstract

LIGO's successful detection of gravitational waves has revitalized the theoretical understanding of the angular momentum carried away by gravitational radiation. An infinite-dimensional "supertranslation ambiguity" has presented an essential difficulty for studying angular momentum at null infinity. In this talk, we will present a definition of angular momentum in general relativity that is supertranslation invariant. The new definition of angular momentum is derived from the limit of the Chen-Wang-Yau quasilocal angular momentum. The talk is based on joint work with Po-Ning Chen, Jordan Keller, Mu-Tao Wang and Shing-Tung Yau.

敬請公告 歡迎參加

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