國立清華大學數學系學術演講 NTHU MATH Colloquium

講題 Isoperimetric Inequality

講者 蔡忠潤 教授 (國立臺灣大學數學系)

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地點 Room 101, General Building III

茶會 15:30, R707

Abstract

The isoperimetric inequality for domains in **R**ⁿ is one of the most beautiful results in geometry. In this talk, I will first review a beautiful argument of Xavier Cabré. Next, I will discuss a recent development by Simon Brendle, who generalizes the previous argument to prove an isoperimetric inequality for minimal submanifolds of the Euclidean space. Finally, I will talk about a version of isoperimetric inequality for maximal spacelike submanifolds of the Lorentzian space. This is based on a joint work with Kai-Hsiang Wang.