

國立中山大學應用數學系

學術演講

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講題：Computational topology with applications in the imaging sciences

時間：2018/07/05（星期四）11:10 ~ 12:00

地點：理學院四樓理 SC 4009-1 室

茶會：10:30 於理 SC 4010 室（系辦公室）

摘要

Computational topology is a relatively young field in algebraic topology. Tools from computational topology have proven successful in many scientific disciplines, such as fluid dynamics, biology, material science, climatology, etc. In this talk, we will give a brief introduction to computational topology, focusing primarily on persistent homology. Applications to various datasets from cell biology and climatology will be presented to illustrate the methods.

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