

國立中山大學應用數學系

學術演講

講者：Dr. Paolo Piersanti (Indiana University)

講題：Obstacle Problems in Linearised Elasticity: Theory and Numerical Analysis

時間：2023/10/17 (Tuesday) 10:00~11:00

地點：理 SC 4009-0 教室 (線上與實體同步進行)

茶會：9:30

Google Meet Link: <https://meet.google.com/evg-ukyx-opd>

Abstract

In this talk, I will present two results concerning the numerical approximation of the solution of obstacle problems for shells. In the first part of the talk, I will present a result establishing a convergent numerical scheme for approximating the solution of an elliptic variational inequality modelling the deformation of a linearly elastic elliptic membrane shell subject not to cross a prescribed flat obstacle. Numerical simulations will corroborate the aforementioned theoretical results. In the second part of the talk, I will present another method, based on Enriching Operators, for establishing the convergence of a numerical scheme approximating the solution of an obstacle problem for linearly elastic shallow shells. In the final part of the talk, I will present some ideas and future projects I would like to work on.

敬請公告！歡迎參加！

應用數學系：<http://math.nsysu.edu.tw>

校園地圖：http://math.nsysu.edu.tw/var/file/183/1183/img/779/nsysu_math_map.jpg

交通資訊：<https://www.nsysu.edu.tw/p/412-1000-4132.php?Lang=zh-tw>



應用數學系



校園地圖



交通資訊