

國立中山大學應用數學系

學術演講

講者：陳清祥教授(University of Southern Mississippi)

講題：Computer Graphics using the MFS and Kansa's Method

時間：2020/6/18 (Thursday) 15:30 ~ 16:30

地點：理學院四樓理 SC 4009-1 室

茶會：16:30 於理 SC 4010 室 (系辦公室)

Abstract

During the past two decades, the Kansa method and the method of fundamental solutions (MFS) have emerged as powerful meshless methods for solving partial differential equations. With the new meshless technology, no tedious mesh generation is required for the reconstruction of the 3D image and enormous saving for human labor in data preparation and computational time can be achieved. In this talk, we propose several PDE models for the reconstruction of 2D/3D curve/surface and then apply the state-of-the-art computational method using the Kansa method and the MFS to solve these PDE models.

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