

國立政治大學應用數學系演講

Department of Mathematical Sciences, National Chengchi University

Speaker: 樂美亨助理教授 (國立台灣師範大學數學系)

Title: Recent Developments of Manifold Parameterizations

Time: 16:10 - 17:00, Monday, October 19, 2020

Venue: Room 070221, 2F, Zhi Xi Building(志希樓 2 樓 e 化教室)

Refreshment: Refreshments will be served in the Faculty Lounge 30 minutes before the talk.

Abstract

A parameterization of a manifold is a diffeomorphism that maps the manifold onto the domain of a canonical shape. The mapping induces a unified coordinate system on the manifold, which can be used to simplify geometry processing tasks, such as manifold registration, stitching, deformation, and texture mapping. In this talk, I will introduce the recent development of manifold parameterizations, and demonstrate the applications to visualizations of medical images.