

Stretch Energy and Area Preservation in Surface Parameterization

樂美亨教授

Yueh, Mei-Heng (Professor, NTNU Math)

Surface parameterization often introduces area distortion. Stretch energy provides a variational approach to control this distortion. In this talk, I will introduce the geometric interpretation and variational properties of the stretch energy, with emphasis on its connection to area preservation. I will then discuss its simplicial discretization and area distortion estimates. Numerical examples and applications will also be presented.