

Tuen Wai Ng, HKU, Hong Kong

The Squeezing Functions and Fridman Functions on Planar Domains

In 2012, Deng, Guan and Zhang introduced the concept of squeezing function for a bounded domain. This function of several complex variables is a very interesting new biholomorphic invariant and it also has a dual function, namely the Fridman function. In this talk, we shall focus on the squeezing functions and Fridman functions of some simple planar domains and explain how some classical tools in geometric function theory can be used to study these functions. The results are joint work with Chiu Chak Tang and Jonathan Tsai.