



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

PHD STUDENT SEMINAR

Perfectly matched layer for optical modes

By

Mr. Tianpeng JIANG

Abstract

We develop the method of perfectly matched layer (PML) for the calculation of optical modes in microcavities. The PML is constructed by implementing the complex coordinate transformation in the far field region. Based on PML, we develop numerical method to calculate the optical modes and illustrate at exceptional points.

Date : 13 May 2020 (Wednesday)
Time : 4:00pm – 5:00pm
Zoom Meeting : <https://hkust.zoom.us/j/94267102584>

All are Welcome!