THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

SEMINAR ON APPLIED MATHEMATICS

Wave scattering problem and its boundary integral equation solution

By

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Abstract

Such wave equations as acoustic, elastic and electromagnetic wave equations are the three most common wave equations encountered in physics. Scattering problems associated with these equations have many applications in sciences and engineering. Due to the inherit features of wave propagations, boundary integral equation methods are one of the most desirable computational methods for obtaining numerical solutions of the wave scattering problems. The speaker will present some results on the theory and numerics of the boundary integral equation as it is applied to solve the scattering problems of wave equations.

Date   :   **18 July 2024 (Thursday)**
Time   :   **3:00p.m.-4:00p.m.**
Venue   :   **Room 4504 (near Lift 25/26)**

All are Welcome!