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Determination of quasilinear terms from restricted data

by

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Date: 3 April 2024 (Wednesday)
Time: 11:00 – 12:00 nn
Venue: Y5-305, Yeung Kin Man Academic Building

ABSTRACT

In this talk we will consider the inverse problem of determining a nonlinear term appearing in some class of nonlinear equations. This class of problems have received a lot of attention among the mathematical community due to both the significance of their applications and their high nonlinearity. Most of the results in that category have been stated with data corresponding to the knowledge of the corresponding Dirichlet-to-Neumann map which requires to much data in is difficult to compute numerically. The main goal of this talk is to consider this class of problems with some important restriction on the data used so far. Our main objective is to consider data that will be easier for numerical computation in order to establish theoretical results that can be jointly considered with numerical reconstruction.

~ALL ARE WELCOME~