

NCTS Short Course on Phase Retrieval Problem

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Abstract

Phase retrieval, in the simplest terms, is solving the nonlinear system

$|Ax| = b$ where A is a given complex matrix, b a given nonnegative vector

and x an unknown complex vector. In this course, we discuss recent progress

in theory and algorithm for phase retrieval with coded diffraction patterns

and application to coherent diffractive imaging.

Time:

10:00-12:00,

13:00-14:00

Venue:

R202,

Astro-Math Building (NTU)

Date:

Oct. 29, Nov. 12.

(Saturday)

Organizer:

I- Liang Chern (NTU)

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