MATHEMATICS
Colloquium
## 2022

THU, 09 JUNE
5 pm - 6 pm

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B.A. (UF), M.Sc.(UCF) and Ph.D.(UCF)

Maximal Phase-Retrievable Subspaces and Phase-Retrievable Projective Representation Frames.

Abstract

Phase retrieval tackles the problem of recovering a signal after loss of phase. The classical phase problem dealt with recovering the signal from the absolute values of its Fourier transform. In 2006, Balan, Casazza, and Edidin introduced the notion of using frames to do phase retrieval.

In this talk, we will present some results about maximal phase-retrievable subspaces and phase-retrievable projective representation frames.
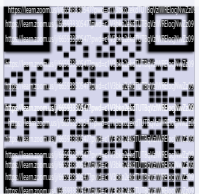
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Dr. Ted Juste is currently working at the Department of Mathematics, Virginia Polytechnic Institute and State University. He completed his PhD under the supervision of Deguang Han in 2019 at the University of Central Florida, USA. Dr. Juste's research interests are in applied functional analysis, frame theory, phase retrieval, and applied harmonic analysis.

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