

Carlos Cabrelli

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will speak on

Optimal Shift Invariant Spaces

ABSTRACT:

Shift Invariant Spaces are spaces of functions that are invariant under integer translates. They are important in many areas, in particular in Approximation Theory, Numerical Analysis and Wavelet Theory. They also serve as models for Signal and Image Processing applications as well as Sampling Theory. Their very rich and interesting mathematical structure can be successfully exploited in many problems.

In this talk we will try to describe part of this structure and give an application to the problem of finding the "best fitting" shift invariant space for a given set of data.

MONDAY, 25 FEBRUARY 2008

LECTURE AT 4:00 PM

COFFEE, TEA, AND REFRESHMENTS FROM 3-5 PM

ROOM 617, WACHMAN BUILDING

DEPARTMENT OF MATHEMATICS