

TEMPLE UNIVERSITY MATHEMATICS COLLOQUIUM

Gustavo Corach

Argentinian Mathematical Institute, Buenos Aires

will speak on

Projections and sampling formulas in Hilbert spaces

ABSTRACT: In this talk we relate oblique (i.e., non necessarily orthogonal) projections on Hilbert spaces with different types of sampling formulas and show that the geometrical properties of the manifold of all oblique projections produce "curves" of sampling formulas which may be useful in different problems. Oblique projections are becoming a useful tool in numerical computations in statistics, signal processing, control theory, and so on.

MONDAY, OCTOBER 16, 2006

LECTURE AT 4:00 PM (#)

COFFEE, TEA, AND REFRESHMENTS FROM 3-5 PM.

ROOM 617, WACHMAN BUILDING
DEPARTMENT OF MATHEMATICS