



SCUOLA
NORMALE
SUPERIORE
PISA

Seminario di

ANALISI ARMONICA

Mercoledì 10 gennaio 2007

ore 16.00

Scuola Normale Superiore

Pisa

(Aula Tonelli)

Sergey Tikhonov

S.N.S.

Terrà un seminario dal titolo:

"Fourier series in different function spaces"

Abstract

In this talk I am going to discuss several known problems in Fourier analysis, which in a general situation do not have solutions. More specifically, let $\sum c_n e^{inx}$ be the Fourier series of a function f . We study necessary and sufficient conditions for f to belong to a given function space (Lebesgue, Weighted Lebesgue, Lorentz, BMO, Bloch, Lipschitz), in terms of Fourier coefficients $\{c_n\}$. We assume that the sequence $\{c_n\}$ satisfies some additional conditions. Which conditions are "good"/"bad" for solving a given problem?

Tutti gli interessati sono invitati a partecipare.

La Segreteria della
Classe di Scienze