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**UNIVERSITÄT
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Departement Mathematik
Mathematisches Institut

Mathematisches Kolloquium

Montag, 22. März 2010

17.15 Uhr, Hörsaal B 78

Dr. Joe Perez

Linear partial differential equations on noncompact manifolds with symmetry

Abstract:

We will discuss a method of solving linear, invariant subelliptic partial differential equations on G -bundles. Our methods involve generalizations of the classical Fredholm property and Paley-Wiener theorems.

An application to the Cauchy-Riemann equations and the Levi problem will be described as well.