
Lehigh University
Department of Mathematics

Probability and Statistics Seminar

The Department of Mathematics has the pleasure to announce that

Prof. Ionel Popescu
Georgia Tech
&
Institute of Mathematics of Romanian Academy

will give a talk intitled

The One Dimensional Free Poincare Inequality.

in the Probability and Statistics Seminar on

Friday, September 21, 2012 at 2.10 pm in room **XS 201.**

PLEASE NOTE : special time and place.

Abstract

This is obtained as a limit from the classical Poincare inequality applied to large random matrices but it has a standalone formulation without any reference to random matrices. In the classical case Poincare's inequality is obtained in an easy way from other functional inequalities as for instance Log-Sobolev and transportation. In the free case, the same story becomes more intricate. This is joint work with Michel Ledoux.