INDIAN STATISTICAL INSTITUTE
BANGALORE CENTRE
STATISTICS AND MATHEMATICS UNIT
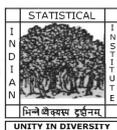
Unity in Mathematics Talk

Speaker	:	S. Thangavelu
		Indian Institute of Science
		Bangalore
Title	:	Wigner semi-circle law and Heisenberg group
Date	:	March 12, 2013 (Tuesday)
Time	:	4:00 pm

Abstract

A theorem of Wigner says that the statistical distribution of the eigenvalues of a random Hermitian matrix converges to the semi-circular law as the dimension goes to infinity. Following Faraut and Saal we indicate a proof of this result which is based on harmonic analysis on the Heisenberg group.

This is part of the ongoing programme of ISL on Functional Analysis

The lecture will be held in the auditorium (II Floor).
All are welcome.