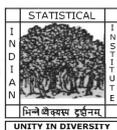


# INDIAN STATISTICAL INSTITUTE

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## *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.

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If you wish to receive our seminar announcements through e-mail send a mail to : [statmath@isibang.ac.in](mailto:statmath@isibang.ac.in)  
Seminar announcements are available at: <http://www.isibang.ac.in/~statmath/cgi-bin/seminar.cgi>