ICTS Postdoc/Graduate Student Seminar Series

Title : Large N Models: Vector, Matrix and Tensor

Speaker : Junggi Yoon, ICTS-TIFR, Bangalore

Date : Friday, June 15, 2018

Time : 11:30 AM

Venue : Emmy Noether Seminar Room, ICTS Campus, Bangalore

Abstract : The holographic duality, a.k.a. the AdS/CFT correspondence, has been studied vigorously to understand gravity. One simple and concrete example is the large N vector model of which singlet sector is dual to higher spin gravitational theories in Anti de Sitter space. Furthermore, quantum mechanical models of matrices have played an important role in duality of the 2D string theory as well as the description of the D0-branes in string theory. Recently, (0+1)-dimensional tensor models have been in the spotlight due to the maximal chaos together with its rich properties. In this seminar, I shall review the essence of large N vector, matrix and tensor models focusing on the combinatorial properties.

Note: This will be an ongoing biweekly seminar series (Fridays, 11:15 am) by the ICTS postdocs and graduate students