



INDIAN STATISTICAL INSTITUTE

Theoretical Statistics and Mathematics Unit, Kolkata

GRADUATE SEMINAR

Date: July 19, 2023, Wednesday
Time: 04:15 PM

VENUE:

L-2

(4th Floor, A.N. Kolmogorov Bhavan), ISI Kolkata

TITLE:

Anyonic quantum symmetries of finite spaces

SPEAKER:

Sutanu Roy

NISER Bhubaneswar

ABSTRACT:

In this talk, we shall present a braided analogue of the quantum permutation group and show that it is the universal braided compact quantum group acting on a finite space in the category of Z/nZ - C^ algebras with a twisted monoidal structure. As an application, we shall show that braided quantum symmetries of certain finite graphs exist and they are genuine braided compact quantum groups. The content of this talk is based on a joint work with Anshu, Suvrajit Bhattacharjee and Atibur Rahaman.*

ALL ARE CORDIALLY INVITED