THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

Department of Mathematics

Seminar on Pure Mathematics

Modular Categories I

by

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Abstract

In the first of the two talks, we discuss the foundations of the theory: We begin by explaining what a monoidal category is and discuss the notions of braiding, twisting, and duality. The concept of duality makes it possible to introduce a categorical analogue of traces, and therefore also a categorical analogue of dimensions. We also explain a certain graphical calculus that constitutes an extremely convenient tool for computations inside braided monoidal categories.

Date	27 May 2010, Thu
Time	3:30PM-4:30PM
Venue	Room 3416, near lifts 17&18

All are welcome!

Posted by majw