THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

Department of Mathematics

Seminar on Pure Mathematics

The congruence subgroup property for Hopf algebras

by

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Abstract

Certain classes of Hopf algebras lead on the one hand to representations of the braid group and on the other hand to representations of the modular group $SL_2(Z)$. We show that the kernel of the representation of the modular group is a congruence subgroup. To accomplish this, we introduce a class of generalized Frobenius-Schur indicators and endow it with an action of the modular group that is compatible with the original one.

Date	7 Dec 2007, Fri
Time	4:00P.M.-5:00P.M.
Venue	Room 1511 (near Lifts 27 & 28)

All are welcome!

Posted by macho