

DISCRIMINANTS, DISCRIMINANT IDEALS AND THEIR APPLICATIONS

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Time: Wed., Nov. 12th, 15:00 – 15:30

Venue: Room 110, SCMS

Abstract:

Discriminants and discriminant ideals are invariants in algebras with trace that are very important in the study of finitely generated algebras module finite over a central subalgebra. Discriminant ideals are more general and their zero sets can be described in terms of dimensions of irreducible modules. We give a complete description of the discriminant ideals of group algebras satisfying the module finite condition above and present generalization of a result in previous work.