

TEMPLE UNIVERSITY MATHEMATICS COLLOQUIUM

Donald Passman

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will speak on

Group algebras

ABSTRACT: The group algebra is an easily defined ring built from a field and a multiplicative group. We discuss ring theoretic properties of this algebra indicating for example when it is prime, semiprime, Artinian or satisfies a polynomial identity. We also briefly discuss certain Noetherian group rings and questions about zero divisors. Finally, we focus on the group ring semiprimitivity problem.

MONDAY, MARCH 19, 2007

LECTURE AT 4:00 PM (#)

COFFEE, TEA, AND REFRESHMENTS FROM 3-5 PM

ROOM 617, WACHMAN BUILDING

DEPARTMENT OF MATHEMATICS