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istanbul center for mathematical sciences

GROUP ACTIONS ON POLYNOMIAL RINGS

Peter Symonds

University of Manchester, UK

Abstract

We consider a group acting on a polynomial ring over a finite field and describe a structure theorem that explains how the ring behaves as a module for the group. There are several unexpected consequences, in particular a bound on the degrees of the generators for the invariants that does not depend on the group.

Date: Monday, March 19, 2007

Time: 15:00

Place: IMBM Seminar Room