
KEITH JOHNSON, Dalhousie University

Integer valued polynomials on noncommutative rings

Rings of polynomials taking integral values on specified sets have been of interest to algebraists and number theorists at least since the work of Polya and Ostrowski in 1919. In the past this has usually been restricted to subsets of commutative rings, particularly rings of algebraic integers. We will discuss some examples involving noncommutative rings and in particular will give a description of the ring of rational polynomials taking integral values on $n \times n$ lower triangular matrices.