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**Nicholas J. Werner\*** ([werner@math.osu.edu](mailto:werner@math.osu.edu)), Department of Mathematics, The Ohio State University, 231 West 18th Ave, Columbus, OH 43210. *Integer-valued Polynomials over Noncommutative Rings.*

When  $D$  is an integral domain with field of fractions  $K$ , the ring  $\text{Int}(D) := \{f(x) \in K[x] \mid f(d) \in D \text{ for all } d \in D\}$  of integer-valued polynomials over  $D$  has been extensively studied. Rings of integer-valued polynomials can also be constructed over some noncommutative rings; in particular, they may be defined for matrix rings and group algebras over the rational integers. This talk will give an overview of this topic, focusing on the similarities and differences between the commutative and noncommutative cases. (Received September 15, 2010)