

Jacobson Semisimple Skew Inverse Laurent Series Rings

Authors : Ahmad Moussavi

Abstract : In this paper, we are concerned with the Jacobson semisimple skew inverse Laurent series rings $R((x-1; \alpha, \delta))$ and the skew Laurent power series rings $R[[x, x-1; \alpha]]$, where R is an associative ring equipped with an automorphism α and an α -derivation δ . Examples to illustrate and delimit the theory are provided.

Keywords : skew polynomial rings, Laurent series, skew inverse Laurent series rings

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