

**PRIME GOLDIE IDEALS IN PARTIAL SKEW POLYNOMIAL
RINGS AND PARTIAL SKEW LAURENT POLYNOMIAL
RINGS**

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ABSTRACT. We consider rings R with a partial action α of \mathbb{Z} on \mathbb{R} . We give necessary and sufficient conditions for all prime ideals of partial skew polynomial rings and partial skew Laurent polynomial rings to be right Goldie ideals. Moreover, we give an example to show that our results are not an easy generalization of the global case.

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