

QUASI REGULARITY IN LOOP RINGS

W.B.Vasantha Kandasamy and Satya Veer Singh

In this note we study quasi regular elements in a loop algebra. We obtain a necessary and sufficient condition for an element to be a quasi regular and bring out the major difference between quasi regular elements in loop algebras and rings. The set of all quasi regular elements of a loop algebra in general need not form a group or even a loop under star composition, unlike in a ring the set of quasi regular elements forms a group.

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e-mail: vasantha@iitm.ac.in

web: <http://www.vasanthakandasamy.org>