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On $p-$Ring

Mohammed Kabbour

(Submitted on 3 Jul 2011)

In this paper, we introduced the concept of a p-ideal for a given ring. We provide necessary and sufficient condition for $\dfrac{R[x]}{(f(x))}$ to be a p-ring, where R is a finite p-ring. It is also shown that the amalgamation of rings, $A\bowtie^f J$ is a p-ring if and only if so is A and J is a p-ideal. Finally, we establish the transfer of this notion to trivial ring extensions.

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