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Mathematics > Commutative Algebra

## On \$p-\$Ring

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In this paper, we introduced the concept of a  $p\$ -ideal for a given ring. We provide necessary and sufficient condition for  $drac{R[x]}{(f(x))}$  to be a  $p\$ -ring, where  $R\$  is a finite  $p\$ -ring. It is also shown that the amalgamation of rings,  $A\$  bowtie^fJ 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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