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On finite commutative loops which are centrally nilpotent

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Abstract: Let Q be a finite commutative loop and let the inner mapping group $I(Q) \cong C_{p^n} \times C_{p^n}$, where p is an odd prime number and $n \geq 1$. We show that Q is centrally nilpotent of class two.

Keywords: loop; inner mapping group; centrally nilpotent loop

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