## Emma Leppälä, Markku Niemenmaa

A note on loops of square-free order

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**Abstract:** Let Q be a loop such that |Q| is square-free and the inner mapping group I(Q) is nilpotent. We show that Q is centrally nilpotent of class at most two.

Keywords: loop, inner mapping group, centrally nilpotent loop AMS Subject Classification: 20N05, 20D15

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