

Let  $f: X \rightarrow Y$  be a quotient map (= a continuous onto map such that  $Y$  has the quotient topology with respect to  $f$ ). If  $X$  is locally arcwise connected, then so is  $Y$ .

A proof is given in the following online document:

<http://www.math.ku.dk/~moller/e02/3gt/opg/S25.pdf>

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