

## ON A RESULT CONCERNING A PROPERTY OF CLOSED MANIFOLDS

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*Abstract.* The main result is given in Theorem 2 and it shows that the inequality  $\gamma(\tilde{M}) \leq k\gamma(M) - 4(k-1)$  contained in Theorem 1 holds with equality for any closed smooth surface  $M^2$  (orientable or not), where  $\pi: \tilde{M} \rightarrow M$  is a  $k$ -covering of  $M$  and  $\gamma(M)$  is the Morse-Smale characteristic of  $M$ .

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