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**Peter N Wong\*** ([pwong@bates.edu](mailto:pwong@bates.edu)), Department of Mathematics, Bates College, 3 Andrews Road, Lewiston, ME 04240. *Fundamental groups in fixed point theory*. Preliminary report.

The Nielsen number  $N(f)$  of a selfmap  $f$  on a finite complex is a lower bound for the minimum number of fixed points of maps in the homotopy class of  $f$ . The computation of  $N(f)$  is very difficult in general. For a class of spaces, this number is either zero or equal to the Reidemeister number  $R(f)$ , which is simply the number of twisted conjugacy classes in the fundamental group. In this talk, I will outline some recent work concerning the finiteness of the Reidemeister number and other group theoretic questions related to Nielsen fixed point theory. (Received February 10, 2006)