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THE GROUP STRUCTURE OF HECKE GROUPS  $H(\bullet_q)$

of

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Mathematics

**Abstract:** In this work a new proof of the fact that the group structure of the Hecke groups is isomorphic to the free product of two cyclic groups of orders 2 and  $q$  is given. The method used in the proof requires a result of A.M. Macbeath together with the notion of fundamental region. Also given are some new results on the parabolic points of Hecke groups, which still is an open problem.

 [Keywords](#)  
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