

**Arikan, A.**

**On barely transitive  $p$ -groups with soluble point stabilizer.** (English) Zbl 1015.20002  
*J. Group Theory* 5, No. 4, 441-442 (2002).

A permutation group on an infinite set is 'barely transitive' if it is infinite but each orbit of each proper subgroup is finite. The author shows that if  $G$  is a barely transitive locally nilpotent  $p$ -group and a point stabilizer in  $G$  is soluble, then  $G' < G$ . This extends an earlier result of A. O. Asar, who assumed in addition that the point stabilizer is hypercentral.

Reviewer: [H.D.Macpherson \(Leeds\)](#)

**MSC:**

**20B22** Multiply transitive infinite groups

Cited in 4 Documents

**Keywords:**

permutation groups; barely transitive groups; locally nilpotent groups; point stabilizers

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**References:**

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