

# Turkish Journal of Mathematics

Turkish Journal

of

Mathematics

On Torsion-Free Barely Transitive Groups

Mahmut KUZUCUOĞLU  
Middle East Technical University  
Department of Mathematics,  
06531 Ankara-TURKEY  
e-mail matmah@metu.edu.tr

 [Keywords](#)  
 [Authors](#)

**Abstract:** B. Hartley asked the following question: Does there exist a torsion free barely transitive group? Existence of torsion free simple barely transitive group is also unknown. We answer the latter question negatively in a special case. Moreover we proved the following: Let  $G$  be a simple barely transitive group, and  $H$  be a stabilizer of a point. If for a non-identity element  $x \in G$ ,  $C_G(x)$  is infinite then,  $C_G(x)$  cannot contain  $H$ .



**Key Words:** Barely transitive, commensurable.

[math@tubitak.gov.tr](mailto:math@tubitak.gov.tr)

Turk. J. Math., **24**, (2000), 273-276.

Full text: [pdf](#)

[Scientific Journals Home Page](#)

Other articles published in the same issue: [Turk. J. Math., vol.24, iss.3.](#)