

# Turkish Journal of Mathematics

Turkish Journal

of

Mathematics

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



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

[Scientific Journals Home](#)  
[Page](#)

On Groups with the Weak Wide Commensurable Property

Ayşe BERKMAN, Mahmut KUZUCUOĞLU,  
Erdal ÖZYURT

Mathematics Department  
Middle East Technical University  
06531, Ankara-TURKEY

e-mail: [aberkman@metu.edu.tr](mailto:aberkman@metu.edu.tr),  
[matmah@metu.edu.tr](mailto:matmah@metu.edu.tr),  
[ozyurt@metu.edu.tr](mailto:ozyurt@metu.edu.tr)

Dedicated to Prof. Dr. Cemal Koç on his 61<sup>st</sup> birthday

**Abstract:** An infinite group with the weak wide commensurable property is shown to be abelian, provided that it is locally finite or locally graded or non-perfect or linear. We also investigate the properties of infinite non-abelian groups with the weak wide commensurable property. Moreover, we describe completely the structure of infinite locally finite groups whose  $p$ -subgroups have the weak wide commensurable property. (AMS MSC: 20F50, 20E34).

---

Turk. J. Math., **29**, (2005), 403-412.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Math., vol.29, iss.4.](#)