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**Conchita Martinez-Perez\*** ([conmar@unizar.es](mailto:conmar@unizar.es)), Departamento de matemáticas, Universidad de Zaragoza, 50002 Zaragoza, Zaragoza, Spain. *The proper geometric dimension of Coxeter groups.*

We use compactly supported cohomology to derive a formula for the proper geometric dimension of groups admitting a cocompact classifying space for proper actions. Using this formula, we show that the proper geometric dimension of some groups including Coxeter groups equals its virtual cohomological dimension. We will also review some other families having this property. (Received September 14, 2014)