

**PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY**

Volume 139, Number 7, July 2011, Pages 2309–2315

**DOI: S 0002-9939(2010)10709-8**

**PII: S 0002-9939(2010)10709-8**

Received by editor(s): June 16, 2010

**Article electronically published on November 29, 2010**

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**BETTI NUMBERS OF THE GEOMETRIC SPACES ASSOCIATED  
TO NONRATIONAL SIMPLE CONVEX POLYTOPES**

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(Communicated by Lev Borisov)

**Abstract.** We compute the Betti numbers of the geometric spaces associated to nonrational simple convex polytopes and find that they depend on the combinatorial type of the polytope exactly as in the rational case. This shows that the combinatorial features of the starting polytope are encoded in these generalized toric spaces, as they are in their rational counterparts.

**MSC (2010):** Primary 14M25; Secondary 52B05, 32S99

**MathSciNet review:** [2784795](https://mathscinet.org/2784795)