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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.

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