

Mostovoy, Jacob

Truncated simplicial resolutions and spaces of rational maps. (English) [Zbl 1237.58012](#)
Q. J. Math. 63, No. 1, 181-187 (2012).

Summary: We show that whenever $m \leq n$, the space of all continuous rational maps from $\mathbb{C}\mathbb{P}^m$ to $\mathbb{C}\mathbb{P}^n$ has the same homology as the space of all continuous maps between these spaces in dimensions smaller than $d(2n - 2m + 1) - 1$. This improves the result of the author's paper [Topology 45, No. 2, 281–293 (2006; [Zbl 1086.58005](#))].

MSC:

[58D15](#) Manifolds of mappings
[55P10](#) Homotopy equivalences in algebraic topology

Cited in **1** Review
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