

Decompositions of looped co-H-spaces and applications

Jelena Grbic, Stephen Theriault, Jie Wu

(Submitted on 5 Nov 2010)

We prove two homotopy decomposition theorems for the loops on co-H-spaces, including a generalization of the Hilton-Milnor Theorem. These are applied to problems arising in algebra, representation theory, toric topology, and the study of quasi-symmetric functions.

Comments: 15 pages

Subjects: **Algebraic Topology (math.AT)**

MSC classes: 55P35, 55P45, 05E05, 20C20, 52C35

Cite as: [arXiv:1011.1414v1](https://arxiv.org/abs/1011.1414v1) [math.AT]

Submission history

From: Stephen Theriault [[view email](#)]

[v1] Fri, 5 Nov 2010 14:51:32 GMT (15kb)

[Which authors of this paper are endorsers?](#)

Link back to: [arXiv](#), [form interface](#), [contact](#).

Download:

- [PDF](#)
- [PostScript](#)
- [Other formats](#)

Current browse context:

math.AT

[< prev](#) | [next >](#)

[new](#) | [recent](#) | [1011](#)

Change to browse by:

[math](#)

References & Citations

- [NASA ADS](#)

Bookmark([what is this?](#))

