



Mathematics > Algebraic Topology

# The Ghost length, levels and shriek maps on classifying spaces

Katsuhiko Kuribayashi

(Submitted on 2 Apr 2012)

We give a lower bound of the cochain type level of the diagonal map on the classifying space of a Lie group by using the ghostness of a shriek map. Moreover, in a derived category, we discuss the triviality of the shriek map which induces the loop product on the classifying space of a Lie group.

Comments: 7 pages

Subjects: **Algebraic Topology (math.AT)**; Rings and Algebras (math.RA); Representation Theory (math.RT)

Cite as: **arXiv:1204.0311v1 [math.AT]**

## Submission history

From: Katsuhiko Kuribayashi [[view email](#)]  
[v1] Mon, 2 Apr 2012 05:07:45 GMT (11kb)

[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](#) | [1204](#)

Change to browse by:

[math](#)

[math.RA](#)

[math.RT](#)

## References & Citations

- [NASA ADS](#)

## Bookmark (what is this?)

