



Hochschild cohomology of a strongly homotopy commutative algebra

Submitted by [claire.leroy](#) on Mon, 04/27/2015 - 09:19

Titre	Hochschild cohomology of a strongly homotopy commutative algebra
Type de publication	Article de revue
Auteur	Ndombol, Bitjong [1], Félix, Y. [2], Thomas, J.-C. [3]
Editeur	Springer Verlag
Type	Article scientifique dans une revue à comité de lecture
Année	2014
Langue	Anglais
Date	Mars 2014
Numéro	3-4
Pagination	419-443
Volume	143
Titre de la revue	Manuscripta Mathematica
ISSN	0025-2611
Résumé en anglais	<p>The Hochschild cohomology of a DG algebra A with coefficients in itself is, up to a suspension of degrees, a graded Lie algebra. The purpose of this paper is to prove that a certain DG Lie algebra of derivations appears as a finite codimensional graded sub Lie algebra of this Lie algebra when A is a strongly homotopy commutative algebra whose homology is concentrated in finitely many degrees. This result has interesting implications for the free the loop space homology which we explore here as well.</p>
URL de la notice	http://okina.univ-angers.fr/publications/ua10342 [4]
DOI	10.1007/s00229-013-0629-7 [5]
Lien vers le document	http://link.springer.com/10.1007/s00229-013-0629-7 [6]
Titre abrégé	manuscripta math.

Liens

- [1] [http://okina.univ-angers.fr/publications?f\[author\]=395](http://okina.univ-angers.fr/publications?f[author]=395)
- [2] [http://okina.univ-angers.fr/publications?f\[author\]=18163](http://okina.univ-angers.fr/publications?f[author]=18163)
- [3] [http://okina.univ-angers.fr/publications?f\[author\]=18164](http://okina.univ-angers.fr/publications?f[author]=18164)
- [4] <http://okina.univ-angers.fr/publications/ua10342>
- [5] <http://dx.doi.org/10.1007/s00229-013-0629-7>
- [6] <http://link.springer.com/10.1007/s00229-013-0629-7>

Publié sur *Okina* (<http://okina.univ-angers.fr>)