

# The Homology Of Hopf Spaces

by Richard M. Kane

Hopf rings in algebraic topology. - Johns Hopkins University Cohomology of Hopf Algebras The homology of Hopf spaces, by R. M. Kane, North-Holland Mathematical Library For example, the cohomology ring of a path-connected H-space with finitely generated and free cohomology groups is a Hopf algebra. Also, one can define the 23 Apr 2011 . The finite generation of the cohomology of Hopf algebra makes it Definition. A bialgebra over a field  $k$  is a  $k$ -vector space  $B$  endowed with. Relying on the computation of the André–Quillen homology groups for unstable Hopf algebras, we prove that if the mod  $p$  cohomology of both the fiber and the base. The Homology of Hopf Spaces: Richard M. Kane: 9780444557100 6 Aug 2010 . Since  $X$  is an H-space, if it has homology of finite type, the homology acquires the structure of a Hopf algebra. Bott has shown that for a Lie group, What is the Hopf algebra structures in the homology . - MathOverflow The homology of Hopf spaces - Richard M. Kane - Google Books The homology of Hopf spaces / Richard M. Kane Kane, Richard M., 1944- . View online . Borrow . Buy. User activity. Tags (0); Lists (0); Comments (0). Send to: . Deconstructing Hopf spaces - Departament de matemàtiques

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The Homology of Iterated Loop Spaces - University of Chicago The Homology of Hopf Spaces 978-0-444-70464-1 Elsevier The Homology of Hopf Spaces (North-Holland Mathematical Library) The homology of Hopf spaces / Richard M. Kane - Details - Trove group-like elements in the Hopf algebra of the homology of - Math . on the cohomology of highly connected covers of finite hopf spaces Amazon.co.jp? The Homology of Hopf Spaces: Richard M. Kane: ?? as Hopf algebras over the Steenrod algebra with three types of homology . Homology operations on iterated loop spaces were first introduced, mod 2, by Araki This exposition of the theory of finite Hopf spaces details the development of the subject over the last thirty years, with the homology of such spaces as its main . Hopf algebras and homology of loop suspension spaces In 1988 Richard Kane published his book, The homology of Hopf spaces. and homology of space and loop space are intimately related by suspension The study of the homology of free loop spaces is motivated by its various . path-connected Hopf spaces, whose homologies with coefficients in a perfect field. We characterize Hopf spaces with finitely generated co-homology as an . theorem for all H-spaces with noetherian mod  $p$  cohomology. They. "deconstruct" ? If  $X$  is a simply connected H-space whose homology is finitely generated, . is a spectral sequence of Hopf algebras, the spectral sequences for chains. Properties of the homology of algebraic  $n$ -fold loop spaces 26 Jul 2015 . Let  $X$  be an H-space with product  $\mu$  . Then  $H^*(X)$  is a Hopf algebra with product  $\mu$  . Let  $\nu$  be the coproduct of the Hopf algebra  $H^*(X)$  . The homology of Hopf spaces / Richard M. Kane. Subjects: Homology theory. H-spaces. Note: Includes index. Physical Description: xv, 479 p. : ill. ; 23 cm. On the cohomology of highly connected covers of finite Hopf spaces free loop spaces of finite complexes have infinite category The Homology of Hopf Spaces: Amazon.de: Richard M. Kane: Fremdsprachige Bücher. This exposition of the theory of finite Hopf spaces details the development of the subject over the last thirty years, with the homology of such spaces as its main . The homology of Hopf spaces - HathiTrust This exposition of the theory of finite Hopf spaces details the development of the subject over the last thirty years, with the homology of such spaces as its main . The homology of Hopf spaces The homology of Hopf spaces. Book. The homology of Hopf spaces. Privacy · Terms. About. The homology of Hopf spaces. Book. Written by Richard M. Kane. that the mod  $p$  homology of an Eilenberg-MacLane space  $K(G;n)$ ,  $n \geq 1$  . If  $H$  is a Hopf D-algebra, then the vector space of indecomposables  $QH$  supports an. fact that the mod  $p$  cohomology of an Eilenberg-Mac Lane space  $K(A, n)$ , with  $A$  . This reflects a property of André-Quillen homology of unstable Hopf algebras. The homology of all these spaces reflects that fact with a rich algebraic structure: a Hopf ring, or, a ring in the category of coalgebras. This then is the natural tool ology, Geometry, Integrable Systems, and Mathematical Physics: . - Google Books Result The Homology of Hopf Spaces (North-Holland Mathematical Library) The Homology of Hopf Spaces: Amazon.de: Richard M. Kane H-space - Wikipedia, the free encyclopedia The Homology of Hopf Spaces [Richard M. Kane] on Amazon.com. \*FREE\* shipping on qualifying offers. This exposition of the theory of finite Hopf spaces Amazon.in - Buy The Homology of Hopf Spaces (North-Holland Mathematical Library) book online at best prices in India on Amazon.in. Read The Homology of Torsion in H-Spaces The homology of Hopf spaces Facebook Homology exponents for H-spaces - Section de mathématiques - EPFL Homy and homology for simplicial abelian Hopf algebras definition of  $H_n$ -spaces, and some homology operations.  $Q_i : H_q(X; F_2) \rightarrow H_{2q+i}(X$  Clear: ?  $nY$  is an H-space, so  $H^*(?nY; k)$  is a  $k$ -algebra (a Hopf algebra). The homology of Hopf spaces on ResearchGate, the professional network for scientists. History of ology - Google Books Result Let  $X$  be a homy associative mod  $p$  H-space for  $p$  an odd prime. H-spaces;; Localization;; Homy;; Homology;; Commutators;; Hopf algebras;; Steenrod Homology rings of homy associative H-spaces Hopf algebras and loop homology of suspension spaces. 3. One of the classical problems in homy theory is the Milnor double suspension problem, posed Amazon.co.jp? The Homology of Hopf Spaces: Richard M. Kane: ?? . ?result states if an H-space of finite type admits a homology expo- nent, then either . ciative, and commutative Hopf algebra over  $F_2$ , there is an exact sequence.