

23(2)

## THE COHOMOLOGY OF LINE BUNDLES ON NON-PRIMARY HOPF MANIFOLDS

Ning GAN, 周向宇

中科院数学所函数论室

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摘要

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## THE COHOMOLOGY OF LINE BUNDLES ON NON-PRIMARY HOPF MANIFOLDS

Ning GAN, Xiang Yu ZHOU

INSTITUTE OF MATHEMATICS, ACADEMY OF MATHEMATICS AND SYSTEMS SCIENCES,  
CHINESE ACADEMY OF SCIENCES, BEIJING, 100080, P.R.CHINA

**Abstract** The purpose of the present paper is to give an elementary method for the computation of the cohomology groups  $H^q(X, \Omega^p(X)(L))$ ,  $(0 \leq q \leq n)$  of an  $n$ -dimensional non-primary Hopf manifold  $X$  with arbitrary fundamental group. We use the method of Zhou to generalize the results for primary Hopf manifolds and non-primary Hopf manifold with an Abelian fundamental group.

**Key words** [non-primary Hopf manifold](#) [cohomology](#) [line bundles](#) [Douady sequence](#)

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通讯作者 Ning GAN [xyzhou@mail.math.ac.cn](mailto:xyzhou@mail.math.ac.cn)

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