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Titulo:"Non-standard cohomologies and central extentions of Bol loops."

Abstract.

Let $C = \sum_i \oplus C^i$ be a graded abelian group and $\delta : C \to C$ be a graded homomorphism of degree one: $\delta : C^i \to C^{i+1}$. If $\delta^2 = 0$, then (C, δ) is a cocomplex and we can define a standard cohomologies. In the case $\delta^2 \neq 0$ we define some "non-standard" cohomologies of (C, S, δ) where S is a graded subgroup of C. Finally we give an interpretation of second comology of some non-standard co-complex (C, S, δ) in the term of central extentions of Bol loops.