

All extensions of C_2 by $C_{2^n} \times C_{2^n}$ are good for the Morava K -theory

Malkhaz Bakuradze (*Faculty of Exact and Natural Sciences. Iv. Javakhishvili Tbilisi State University, Georgia*),
malkhaz.bakuradze@tsu.ge

This talk is concerned with analyzing the 2-primary Morava K -theory of the classifying spaces BG of the groups G in the title. In particular it answers affirmatively the question whether transfers of Euler classes of complex representations of subgroups of G suffice to generate $K(s)^*(BG)$. Here $K(s)$ denotes Morava K -theory at prime $p = 2$ and natural number $s > 1$. The coefficient ring $K(s)^*(pt)$ is the Laurent polynomial ring in one variable, $\mathbb{F}_2[v_s, v_s^{-1}]$, where \mathbb{F}_2 is the field of 2 elements and $\deg(v_s) = -2(2^s - 1)$.

References

- [1] M. Bakuradze, All extensions of C_2 by $C_{2^n} \times C_{2^n}$ are good, arXiv:1603.04021v2 [math.AT].

The work was supported by Shota Rustaveli National Science Foundation Ref. 217-614 and CNRS PICS Ref. 7736