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Transfer ideals and torsion in the Morava E -theory of abelian groups. (English) Zbl 07217904
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Summary: Let A be a finite abelian p -group of rank at least 2. We show that $E^0(BA)/I_{tr}$, the quotient of the Morava E -cohomology of A by the ideal generated by the image of the transfers along all proper subgroups, contains p -torsion. The proof makes use of transchromatic character theory.

MSC:

- 55N22 Bordism and cobordism theories and formal group laws in algebraic topology
- 55P42 Stable homotopy theory, spectra
- 55S25 K -theory operations and generalized cohomology operations in algebraic topology

Keywords:

Morava E -theory; transchromatic character theory; level structures

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