THE MULTIPLICATIVE STRUCTURE
OF $K(n)^*(BA_4)$

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Abstract

Let $K(n)^*(-)$ be a Morava K-theory at the prime 2. Invariant theory is used to identify $K(n)^*(BA_4)$ as a summand of $K(n)^*(B\mathbb{Z}/2 \times B\mathbb{Z}/2)$. Similarities with $H^*(BA_4; \mathbb{Z}/2)$ are also discussed.