Homological properties of modules over trivial ring extensions

Lixin Mao

Nanjing Institute of Technology E-mail: maolx2@hotmail.com

It is well known that the class of trivial ring extensions covers Morita context rings with bimodule homomorphisms zero, particularly, covers formal triangular matrix rings. We give some homological properties of trivial ring extensions and describe explicitly some important classes of modules over a trivial ring extension.

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