

AN EXAMPLE OF A BISEPARABLE RING EXTENSION WHICH IS NOT FROBENIUS

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ABSTRACT. S. Caenepeel and L. Kadison asked in 2001 the question “Are biseparable extensions Frobenius?” In this talk, a negative answer is given, by building a suitable counter-example. To this end, a suitable construction is made in the realm of Ore extensions of a finite dimensional algebra.