

HEAVILY SEPARABLE FUNCTORS

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Abstract: We introduce and investigate a stronger version of the notion of separable functor that we call heavily separable. We test this notion on several adjunctions traditionally connected to the study of separability, such as the induction functor induced by a coring and the restriction of scalars functor. In particular, this last functor gives rise to the notion of heavily separable extensions of which we begin the study giving also examples and counterexamples.