TTF in functor categories

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The functor category of an associative ring is the category of additive covariant functors from finitely presented left $R$-modules to abelian groups. There is a bijection between definable classes of right $R$-modules and hereditary torsion pairs of finite type in the functor category. It is now known that every tilting class is a definable class. Among the hereditary torsion pairs of finite type in the functor category, we characterize the ones associated to tilting torsion classes. TTF triples $(X, Y, Z)$ are triples of categories such that $(X, Y)$ and $(Y, Z)$ are torsion pairs. We characterize the hereditary torsion pairs of finite type in the functor category which give rise to TTF triples.