Models of the stable homotopy category and algebraic K-theory

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The standard model of the stable homotopy category, the category of spectra in the sense of Bousfield and Friedlander, has the disadvantage that the smash product is only commutative, associative and unital up to homotopy. Lydakis introduced the category of simplicial functors as a model of the stable homotopy category that is additionally equipped with a strict product. We compare the algebraic K-theory of the category of simplicial functors with the algebraic K-theory of spectra in the sense of Bousfield and Friedlander.