

Jardine, J. F.

Stable homotopy theory of simplicial presheaves. (English) Zbl 0645.18006
Can. J. Math. 39, No. 3, 733-747 (1987).

By using appropriate (and natural) definitions of fibration, cofibration, and weak equivalence, the author proves that the category of presheaves of spectra of simplicial sets is a proper closed simplicial model category in the sense of Quillen. For the étale site of a “decent” scheme, the étale K-groups of Dwyer and Friedlander can then be captured as homotopy groups for this model structure.

Reviewer: [D.H.van Osdol](#)

MSC:

18F20 Presheaves and sheaves, stacks, descent conditions (category-theoretic aspects)

Cited in **3** Reviews
Cited in **20** Documents

Keywords:

category of presheaves of spectra of simplicial sets; closed simplicial model category; étale K-groups; homotopy groups

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