

Giovanni Marelli

University of Antioquia

Derivators as models of a sketch

We construct a sketch having the category of derivators as category of models. Derivators were introduced by Grothendieck with the objective of resolving some of the flaws with triangulated categories; however derivators also provide an alternative axiomatic approach to homotopy theories. As an application we expect to find an intrinsic definition for derivators of small presentation, whose 2-category is equivalent to the localization at Quillen homotopies of the 2-category of combinatorial model categories.