

# Fat delta, pseudofunctors and weak units

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Segal-type models of weak 2-categories are simplicial models of bicategories, and they comprise the Tamsamani model and the more recent weakly globular double categories. Fair 2-categories, introduced by J. Kock, model weak 2-categories with strictly associative compositions and weak unit laws. This model has some features in common with the Segal-type models, but with the simplicial delta replaced by the fat delta, which encodes weak units. The direct comparison of fair 2-categories with the Segal type models is a non-trivial result, which sheds new lights on the notion of weak globularity as encoding weak units. In this talk, I will illustrate how the proof of this result relies on some interesting new features about the relation between the fat delta and the simplicial delta.