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Equivalent models of derived stacks

Derived differential geometry is an emergent field that uses the ideas of derived algebraic geometry applied to classically "analytic" settings. In our talk, we want to explore one instance of such application: the Dold−Kan correspondence for Fermat theories and the resulting equivalence of various models of derived differentiable stacks. Time permitting, we will also talk about connections with the conjecture of Behrend−Liao−Xu on the homotopy theory of derived manifolds formulated in arXiv:2006.01376.

The talk is based on our paper "Equivalent models of derived stacks," arXiv:2303.12699.