

Morita homotopy theory for $(\infty, 1)$ -categories and ∞ -operads

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Morita theory describes an equivalence relation between objects with the same type of algebraic structure in terms of their representations. In this talk, we will discuss the existence of Morita type model structures on the categories of simplicial categories, simplicial sets, simplicial operads and dendroidal sets, modelling the Morita homotopy theory of $(\infty, 1)$ -categories and ∞ -operads. (This is joint work with Giovanni Caviglia).