

Dimitry Roytenberg : Equivalences of dg-manifolds in higher Lie theory.

Monday, June 26, 2023 11:00 AM (1 hour)

According to an insight of Pavol Ševera's, integrating a dg-manifold amounts to representing its homotopy type. This leads to a natural definition of a weak equivalence of dg-manifolds. I will present a conjecture characterizing these weak equivalences in terms of data associated to the dg-manifold itself (i.e. without going to the integration), and sketch a proof in the transitive case. Time permitting, I will also discuss fibrations.