

L_∞ morphisms for higher BV operators

Monday 9 September 2024 13:45 (1 hour)

I will introduce classical and quantum “thick morphisms” of supermanifolds. These are differential-geometric constructions that provide L_∞ morphisms for homotopy analogs of Poisson brackets; in particular, for homotopy brackets generated by higher-order Batalin-Vilkovisky type operators. They generalize ordinary smooth maps of supermanifolds with pullbacks on functions that are non-linear maps.

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