

Realization of differential graded Lie algebras

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We extend the classical realization Quillen functor to unbounded differential graded Lie algebras, or more generally, to L-infinity algebras, to algebraically model the rational homotopy theory of non-connected spaces. Lie models of Mapping spaces and differential graded Lie algebras arising in deformation theory are examples which fit in our project and will be explicitly treated. This is joint work with Urtzi Buijs.

Mots Clés / Keywords

Differential graded Lie algebras, Maurer-Cartan elements, models of non-connected spaces.

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