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Some remarks on Lagrangian intersections in the algebraic case (Joint talk with Global Poisson Webminar)

Thursday 10 February 2022 17:00 (1h 30m)

Some years ago, in joint work with B. Fantechi, we constructed brackets on the higher structure sheaves of Lagrangian intersections, and compatible Batalin-Vilkovisky operators, when certain orientations are chosen (see our contribution to Manin's 70th birthday festschrift). This led to a de-Rham type cohomology theory for Lagrangian intersections. In the interim, much progress has been made on a better understanding of the origin of these structures, and some related conjectures have been proved. We will explain some of these results.

This is a joint talk with Global Poisson Webminar

Presenter: BEHREND, Kai