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Dirac reduction and shifted symplectic geometry

Tuesday 8 February 2022 17:00 (50 minutes)

We introduce a notion of reduction of Dirac realizations induced by a submanifold of the base and give an interpretation in shifted symplectic geometry. It yields, in particular, to a notion of symplectic (resp. quasi-Hamiltonian) reduction where the level can be a submanifold of the dual of the Lie algebra (resp. the group) rather than a point, and explains some disparate constructions in symplectic geometry. This is joint work with Ana Balibanu and Peter Crooks.

Presenter: MAYRAND, Maxence