

Northeastern University



Mathematics Department

Geometry, Physics, and Representation Theory Seminar

Reyer Sjamaar
Cornell University

Thursday, December 5, 2:50-3:50 pm, Lake Hall 509

Stacky Hamiltonian actions and symplectic reduction

Abstract

We introduce the notion of a Hamiltonian action of an étale Lie group stack on an étale symplectic stack and establish versions of some basic theorems of symplectic geometry in this context, such as the Kirwan convexity theorem and the Mayer–Marsden–Weinstein symplectic reduction theorem. This is joint work with Benjamin Hoffman.