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Graded symplectic geometry and the generalized Kahler-Ricci flow

Bi-Hermitian geometry, initally discovered by physicists in their investigation of supersymmetric string theory, was later rediscovered by Gualtieri as part of Hitchin's generalized geometry program. This discovery unearthed many beautiful connections to Poisson and Dirac geometry. One of these that has only recently begun to be investigated is the connection of bi-Hermitian (also known as generalized Kahler geometry) to graded symplectic geometry. I will give an overview of these developments. In particular, I will explain how the generalized Kahler-Ricci flow, which also has origins in string theory, can be described as the flow by a Hamiltonian vector field on a graded symplectic manifold.