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Moduli spaces of generalized holomorphic bundles

Generalized holomorphic bundles are the analogues of holomorphic vector bundles in the generalized geometry setting. For some generalized complex structures, these bundles correspond to co-Higgs bundles, flat bundles or Poisson modules. I will give an overview of what is known about generalized holomorphic bundles, and describe their moduli spaces in some specific examples. Part of this is joint work with Shengda Hu and Mohamed El Alami, as well as Alejandra Vicente Colmenares and Vasile Brînzănescu.