

# **Stability and deformations in symplectic geometry**

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Given a symplectic foliation, i.e. a foliation whose leaves carry symplectic structures, one can ask: under what conditions is every nearby foliation again symplectic? We will mention some direct approaches to this question. More importantly, we will describe a systematic framework that will be helpful to determine sufficient conditions, namely the one of deformation theory. If time permits, we will present a second instance of stability, namely the one of branes in symplectic geometry.