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Rachel Webb* (webbra@umich.edu), **Felix Janda** and **Qile Chen**. *Virtual Cycle on the Moduli Space of Maps to a Complete Intersection.*

A driving question in Gromov-Witten theory is to relate the invariants of a complete intersection to the invariants of the ambient variety. In genus-zero this can often be done with a “twisted theory,” but this fails in higher genus. Several years ago, Chang-Li presented the moduli space of p -fields as a piece of the solution to the higher-genus problem, constructing the virtual cycle on the space of maps to the quintic 3-fold as a cosection localized virtual cycle on a larger moduli space (the space of p -fields). Their result is analogous to the classical statement that the Euler class of a vector bundle is the class of the zero locus of a generic section. I will discuss work joint with Qile Chen and Felix Janda where we extend Chang-Li’s result to a more general setting, a setting that includes standard Gromov-Witten theory of smooth orbifold targets and quasimap theory of GIT targets. (Received September 16, 2019)