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**James Pascaleff\*** (jpascale@illinois.edu), University of Illinois at Urbana-Champaign, 1409 W. Green St., Urbana, IL 61801. *Fukaya categories and Poisson geometry*.

From time to time, one hears the question “can a Fukaya category be associated to a Poisson manifold?” I will show that, if one is willing to replace a Poisson manifold by a so-called “integration,” there is a sense in which such a thing is possible. It turns out the question is not idle, as the resulting framework allows one to (1) unify a variety of known constructions in symplectic topology, (2) give a new symplectic interpretation of the cup product on the cohomology of the free loop space, and (3) expand the range of structures on the A-side that can be matched under mirror symmetry. (Received July 28, 2017)