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Title: Universal properties in symplectic geometry

Abstract: One of the great applications of infinity-categories is the ability to compute localizations without model categories. We apply this to prove a surprising result in symplectic geometry: A certain 1-category of symplectic manifolds localizes to an infinity-category that computes the homotopy type of the correct geometric mapping spaces! Even better, one can construct a further localization that (conjecturally) allows for purely symplectic constructions of localizations of the stable homotopy category. This is based on joint work with Oleg Lazarev and Zack Sylvan.