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Compactness for Moduli Spaces of H-Holomorphic Maps

We prove compactness of the moduli space of \mathcal{H} -holomorphic maps with varying complex structure on the domain into a certain subclass of stable almost contact mansifolds. The compactness statement differs from that for J-holomorphic maps as one needs a compactification of the domains that is different from Deligne-Mumford and one needs to fix the homotopy class of maps rather than just the homology class. This result is needed for the compactness of the moduli space of pseudoholomorphic maps into folded symplectic manifolds and its possible generalization to all contact manifolds is the missing link in Hofer's scheme to prove the Weinstein conjecture.