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Tara S Holm* (tara.holm@cornell.edu), Department of Mathematics, Malott Hall, Ithaca, NY 14853-4201, and **Ana Rita Pires**. *The topology of toric origami manifolds*.

A folded symplectic form on a manifold is a closed 2-form with the mildest possible degeneracy along a hypersurface. A special class of folded symplectic manifolds are the origami manifolds. In the classical case, toric symplectic manifolds can be classified by their moment polytope, and their topology (equivariant cohomology) can be read directly from the polytope. In this talk we examine the toric origami case: we will recall how toric origami manifolds can also be classified by their combinatorial moment data, and present some theorems, almost-theorems, and conjectures about the topology of toric origami manifolds. (Received September 17, 2013)