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Bahar Acu* (baharacu@ucla.edu). *The Weinstein Conjecture for Iterated Planar Open Books.*

The Weinstein conjecture states that, on a compact contact manifold, any Reeb vector field carries at least one periodic orbit. The conjecture was proven for all closed 3-dimensional manifolds by Taubes, but it is still open in higher dimensions. In this talk, we show that a $(2n + 1)$ -dimensional Weinstein fillable contact manifold supporting an iterated planar open book decomposition satisfies the Weinstein conjecture. (Received August 28, 2016)