

1135-53-886

Laura Starkston* (lstarkst@stanford.edu). *Arboreal Skeleta*.

We will talk about how to encode the symplectic geometry of a $2n$ -dimensional Weinstein manifold in an n -dimensional core subcomplex called the skeleton. The skeleton generally has complicated singularities, but we will discuss how we can work with representative skeleta with only a nice combinatorial and topological class of singularities aligning with Nadler's arboreal singularities. Then we will discuss how to compare Weinstein manifolds like cotangent bundles using arboreal skeleta. (Received September 16, 2017)