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Greg Bell* (gcbell@uncg.edu) and **C. Neil Pritchard**. *On coarse properties of persistence diagrams.*

A persistence diagram is one of two common ways to visualize the evolution of the homology of a Rips complex as the parameter increases. In this talk we examine the coarse geometry of the space of persistence diagrams in a Wasserstein metric. In particular, we give a simple proof that it has infinite asymptotic dimension, among other results. (Received September 10, 2019)