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Greg Bell* (gcbell@uncg.edu), Mathematics and Statistics, Greensboro, NC 27412, and **Austin Lawson, C. Neil Pritchard** and **Dan Yasaki**. *The space of persistence diagrams has infinite asymptotic dimension*. Preliminary report.

We define an obstruction to finite asymptotic dimension for metric spaces that we call k -prisms. This structure allows for a simple proof that the space of persistence diagrams has infinite asymptotic dimension in a Wasserstein metric. (Received January 25, 2019)