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T. Arias-Marco, E. Dryden, C. S. Gordon, A. Hassannezhad, A. Ray*
(allie.ray@trincoll.edu) and **E. Stanhope**. *The Steklov Spectrum on Orbifolds*.

The classical question “Can one hear the shape of a drum?” considers what geometric information about a differentiable manifold can be obtained by its Laplace spectrum. We modify this question to consider the Steklov spectrum on an orbifold (a mildly singular version of a manifold). In particular, we will discuss whether the Steklov spectrum can detect the presence of singular points on a compact 2-dimensional orbifold. (Received July 17, 2017)