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Emily B. Dryden* (emily.dryden@bucknell.edu), Department of Mathematics, Bucknell University, Lewisburg, PA 17837. *Spectral problems for orbifolds.*

Which properties of an orbifold can we “hear,” i.e., which topological and geometric properties of an orbifold are determined by its Laplace spectrum? We discuss recent progress on this question. (Received September 20, 2007)