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Gerandy Brito* (gerandy@uw.edu), Department of Mathematics, University of Washington. Box 354350, Seattle, WA 98195, and **Christopher Hoffman**, Department of Mathematics, University of Washington. Box 354350, Seattle, WA 98195. *On a family of measures with finitely many infinite geodesics in planar first passage percolation.*

The study of infinite geodesics in first passage percolation have received a lot of attention since the work of Hoffman [05] and [08], Damron and Hanson [14] and more recently Ahlberg and Hoffman [16]. In this talk we discuss further advances in this topic presenting a family of measures for which it is possible to completely characterize the set of infinite geodesics. Based on join work with Christopher Hoffman. (Received September 20, 2016)