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Jeffrey F. Brock* (jeff_brock@brown.edu). *Asymptotics of Weil-Petersson geodesics*. Preliminary report.

We give an overview of the important role of geometric group theory and coarse hyperbolicity in controlling the asymptotic geometry of Weil-Petersson geodesics in Teichmüller space. Such control, while persisting in low complexity, begins to unravel in the setting of the surfaces with complexity equal to that of the seven-holed sphere. In this talk I will elucidate the role of complexity, and describe particular features of geodesics that are suggestive of new approaches in the higher complexity setting. This talk will describe joint work with Howard Masur and Yair Minsky. (Received August 20, 2013)