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Christopher J Leininger* (clein@math.uiuc.edu), 1409 W. Green St., Urbana, IL 61801, and
Dan Margalit (margalit@math.gatech.edu). *Short geodesics in moduli space.*

This talk concerns the moduli space \mathcal{M}_g of Riemann surfaces of genus g equipped with the Teichmüller metric. Given any sufficiently large constant C , there are closed geodesics in \mathcal{M}_g of length at most C/g . In this talk I will discuss a coarse description for the location of these geodesics in \mathcal{M}_g , as well a polynomial upper bound, in terms of g , for the number of such geodesics. (Received September 21, 2011)