Geometry–Topology Seminar

Will Cavendish

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will speak

On the growth rate of the Weil–Petersson diameter of moduli space

ABSTRACT: In this talk, I will introduce the Weil–Petersson metric on the moduli space of Riemann surfaces and discuss how questions about the geometry of this space relate to questions about hyperbolic surfaces and 3–manifolds. I will then present joint work with Hugo Parlier that determines the growth rate of the diameter of this space in both genus and number of punctures.

Tuesday, 2 February 2010
Lecture at 3:30 pm
Room 617, Wachman Building
Department of Mathematics