

# Harvard-M.I.T. Algebraic Geometry Seminar

## SIMPLE GEODESICS ON HYPERBOLIC SURFACES AND INTERSECTION THEORY ON THE MODULI SPACE OF CURVES

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In this talk we discuss a recursive formula for calculating the Weil-Petersson volume of the moduli space of bordered Riemann surfaces with geodesic boundary components. We use this result to derive the Virasoro constraints for the intersection numbers of tautological classes on the moduli space of curves with marked points.

Tuesday, March 30th

3:00 p.m.

MIT Room 4-149

<http://www-math.mit.edu/~jstarr/04sem/>.