

# Are there BCG-maps for Teichmueller space?

**U. Hamenstaedt**

(Universität Bonn)

Dedicated to 60th birthday of Sylvestre Gallot

The Weil-Petersson metric on the moduli space of Riemann surfaces of genus at least 2 is an incomplete Kaehler metric of negative sectional curvature. We explain some recent results on the large scale structure of this metric and on invariant measures for its geodesic flow which are geared toward a geometric understanding of representations into the mapping class group along the lines of the work of Besson, Courtois and Gallot.