

In his paper on “Thermodynamics, dimension and the Weil-Petersson metric”, McMullen showed the Weil-Petersson metric on Teichmuller space is the double derivative of the Hausdorff dimension of families of quasi-circles arising from simultaneous uniformization. McMullen then noticed that a similar construction can be carried out on the space of Blaschke products; and so by analogy, one can define a Weil-Petersson metric on the space of Blaschke products. But how does this metric look like? Is it incomplete? Invariant under the mapping class group?