

The L^p metrics on Teichmüller space

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We will start by introducing the Teichmüller space of a surface, which parametrizes the possible conformal structures it supports. By defining this space analytically, we can equip it with the L^p metrics, of which the Teichmüller and Weil-Petersson metrics are special cases. We will discuss the incompleteness of the L^p metrics on Teichmüller space and what we know about their completions.

(joint work with Thomas Koberda)