THE ARC METRIC ON TEICHMÜLLER SPACE

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The arc metric on the Teichmüller space of a surface with boundary is the analogue of the Thurston metric on the Teichmüller space of a surface without boundary, where instead of the lengths of simple closed geodesics one considers minimizing geodesic arcs joining boundary components.

I will explain the main features of this metric with the differences with Thurston's metric, and present some recent results.

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