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Catherine Pfaff* (cpfaff@math.ucsb.edu) and **Daryl Cooper**. *Compactifying Teichmüller Space Using the Right Trousers*.

We introduce a new method for assigning to a marked hyperbolic metric on a closed surface S of genus $g \geq 2$ a measured foliation on S . These foliations provide a new naturality to the compactification of the Teichmüller space $\mathcal{T}(S)$ by projective measured foliations and allow one to decompose $\mathcal{T}(S)$ into copies of the Teichmüller space of a once-punctured torus. (Received September 21, 2017)