

1118-37-111

Matthieu Astorg* (mastorg@umich.edu), University of Michigan, Department of Mathematics,
530 Church Street, Ann Arbor, MI 48109. *Summability condition and rigidity for finite type maps.*

Finite type maps are a class of analytic maps on complex 1-manifolds introduced by Epstein, that notably include rational maps and entire functions with a finite singular set. Each of those maps possess a natural finite-dimensional moduli space, and one can define a Teichmüller space parametrizing their quasiconformal conjugacy class. Using the fact that the Teichmüller space immerses into moduli space, we will generalize rigidity results of Dominguez, Makienko and Sienna under assumption of expansion along the critical orbits. (Received January 26, 2016)