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Summability condition and rigidity for finite type maps

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Abstract. We give a bound on the dimension of the Teichmüller space of a finite type map in terms of the number of summable singular values and finite singular orbits. This generalizes rigidity results due to Makienko, Dominguez and Sienra, and Urbanski and Zdunik. We also recover a shorter proof of a transversality theorem due to Levin. Our methods are based on the deformation theory introduced by Epstein.

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