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Walter Parry*, walter.parry@emich.edu. *Computations for nearly Euclidean Thurston maps*. Preliminary report.

A nearly Euclidean Thurston (NET) map is an orientation-preserving finite branched cover from the 2-sphere to itself such that each critical point of the map is simple and its postcritical set has exactly four points. These maps are the simplest Thurston maps with nontrivial Teichmüller spaces and hyperbolic orbifolds. They are accessible, yet they exhibit many interesting properties. The focus of this talk will be on the computer program NETmap, which takes as input NET map presentations and outputs a wealth of information about the presented maps. (Received February 03, 2017)