1118-37-206   **Trevor Clark***, Department of Mathematics, Imperial College London, London, SW7 2AZ, United Kingdom. *Quasisymmetric Rigidity.*

Rigidity plays a central role in the study of the dynamics of mappings in dimension one. It is the phenomenon that occurs when fairly weak information about a mapping, for example, its combinatorial or topological data, determines metric information about the mapping. In joint work with Sebastian van Strien, building on earlier work of Sebastian van Strien, Oleg Kozlovski and Weixiao Shen, we have proved quasisymmetric for a broad class of smooth mappings. I will survey some of the tools used to prove quasisymmetric rigidity and discuss some of its implications. (Received February 01, 2016)