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**Tushar Das\*** (tdas@uwlax.edu). *Pseudorectifiability and topological rigidity of Kleinian groups and IFSeS in infinite-dimensions.*

We begin with a short unified proof of a topological rigidity phenomenon situated in the theories of finite-dimensional Kleinian groups (discrete subgroups of  $\text{Isom}(\mathbb{H}^n)$ ), conformal iterated function systems (both finite and infinite) and rational maps acting on the Riemann sphere, respectively. Roughly speaking, in each of these analogous scenarios, if the Hausdorff dimension of the non-conical limit set is strictly smaller than an integer which equals the Hausdorff and topological dimensions of the limit set, then the entire limit set is contained in a geometric sphere. We introduce a generalization of the notion of rectifiability called *pseudorectifiability* to resolve analogous rigidity questions in infinite-dimensional Hilbert space. These results are joint-work with David Simmons (Ohio State) and Mariusz Urbański (North Texas). (Received February 02, 2015)