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Mario Bonk* (mbonk@math.ucla.edu), Dept. of Mathematics, UCLA, Los Angeles, CA 90095.

Quasisymmetric rigidity of Sierpinski carpets.

While Sierpinski carpets are topologically very flexible, surprising rigidity phenomena emerge if one considers their quasimetric homeomorphisms. In my talk I will give a survey on recent results in this area. The carpets considered are self-similar and often arise in dynamical contexts as limit sets of a Kleinian groups or Julia sets of a rational maps. (Received September 09, 2013)