1139-30-400 **Mario Bonk*** (mbonk@math.ucla.edu). *Quasisymmetric rigidity of Sierpiński carpets.*

Every quasisymmetric self-homeomorphism of a standard square carpet S_p, $p \geq 3$ odd, is an isometry. In my talk I will outline a proof of this fact. It uses quasisymmetric uniformization, rigidity results for Schottky maps, and the dynamics of Lattès maps. This is joint work with Sergei Merenkov. (Received February 17, 2018)