On isotopy and unimodal inverse limit spaces

(Invited Talk)

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(joint work with Henk Bruin)

I will present a recent result of joint work with H. Bruin, which proves that every self-homeomorphism $h : K_s \to K_s$ on the inverse limit space K_s of tent map T_s with slope $s \in (\sqrt{2}, 2]$ is isotopic to a power of the shift-homeomorphism $\sigma^R : K_s \to K_s$.

MSC2010: Primary: 54H20; Secondary: 37B45, 37E05..

Keywords: isotopy, tent map, inverse limit space.

Section: 6. Topology.

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