

Janusz J. Charatonik

On generalized homogeneity of locally connected plane continua

Comment.Math.Univ.Carolinae 32,4 (1991) 769-774.

Abstract: The well-known result of S. Mazurkiewicz that the simple closed curve is the only nondegenerate locally connected plane homogeneous continuum is extended to generalized homogeneity with respect to some other classes of mappings. Several open problems in the area are posed.

Keywords: confluent, continuum, dendrite, homogeneous, light, local homeomorphism, locally connected, monotone, open, plane, simple closed curve, universal plane curve

AMS Subject Classification: 54C10, 54F15, 54F50