

1051-54-149

Kevin B. Gammon* (kgammon@troy.edu), 500 University Drive, Dothan, AL 36303. *The Cartesian product of the pseudo-arc and a pseudo-solenoid is factorwise rigid.*

The Cartesian product of two spaces is called factorwise rigid if any self homeomorphism can be written as a product homeomorphism. In 1983, D. Bellamy and J. Lysko proved that the Cartesian product of two pseudo-arcs is factorwise rigid. This argument relied on the fact that the pseudo-arc is chainable and therefore does not easily generalize to products involving non-chainable continua. In 2009, the author extended the result to the Cartesian product of the pseudo-arc and pseudo-circle. In this talk, the author provides an argument to extend the result for the Cartesian product of the pseudo-arc and a pseudo-solenoid. (Received August 23, 2009)