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TOPOLOGY PROCEEDINGS

Volume 55, 2020

Pages 115–121

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by

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Electronically published on May 25, 2019

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ISSN:	(Online) 2331-1290, (Print) 0146-4124

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TOPOLOGY PROCEEDINGS
Volume 55 (2020)
Pages 115-121

E-Published on May 25, 2019

In Memoriam María Alvarez

HOMOGENEOUS CONTINUA AND NON-BLOCKERS

SERGIO MACÍAS

Abstract. We prove that the decomposition given by C. Piceno in Nonblockers in homogeneous continua, Topology Appl., 249 (2018), 127-134, coincides with already known decompositions, for decomposable homogeneous continua, for one-dimensional indecomposable homogeneous continua and homogeneous indecomposable continua admitting an essential map onto the figure eight continuum. We give the description of the set of non-blockers of singletons for a couple of classes of continua.

1. Introduction

The purpose of this note is to show that the decomposition given by C. Piceno in [12, Theorem 4.2] coincides with already known decompositions for decomposable homogeneous continua (Theorem 3.5), for one-dimensional indecomposable homogeneous continua (Theorem 3.11) and homogeneous indecomposable continua admitting an essential map onto the figure eight continuum (Theorem 3.9). We include the description of the set of non-blockers of singletons for a couple of classes of continua.

2010 *Mathematics Subject Classification.* 54B20, 54C60.

Key words and phrases. Atomic map, continuous decomposition, continuum, homogeneous space, Jones aposyndetic decomposition, Krupski and Prajs Decomposition, lower semicontinuous decomposition, Rogers terminal decomposition, set of non-blockers of singletons, upper semicontinuous decomposition.

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