

SOME TOPOLOGICAL STRUCTURES AND RELATED GROUPS ON DIGITAL PLANE *

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Received July 28, 2020 ; revised
October 28,2020. January 15,2021. May 2,2021. June 9,2021

ABSTRACT. The aim of the present paper is devoted to discussing some more properties of β -irresolute mappings, contra β -irresolute mappings and two weak homeomorphisms such as βc -homeomorphisms and contra βc -homeomorphisms. Further, we investigate some new groups related to the mappings above and some examples of them on the digital plane and we construct the concept of $\beta_{(2)}$ -open sets of the digital plane.