CREATIVE MATH. & INF.
20 (2011), No. 1, 47 - 54

Online version available at http://creative-mathematics.ubm.ro/
Print Edition: ISSN 1584 - 286X Online Edition: ISSN 1843 - 441X

On $\mathcal{AC}_I$-sets, $\mathcal{BC}_I$-sets, β_I^*-open sets and decompositions of continuity in ideal topological spaces

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ABSTRACT.

In this paper, $\mathcal{AC}_I$-sets, $\mathcal{BC}_I$-sets and β_I^*-open sets are introduced and studied in ideal topological spaces. Also, properties of $\mathcal{AC}_I$-sets, $\mathcal{BC}_I$-sets and β_I^*-open sets are provided in ideal topological spaces. Furthermore, decompositions of continuity are provided via $\mathcal{AC}_I$-sets and $\mathcal{BC}_I$-sets in ideal topological spaces.

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Received: 15.10.2010; In revised form: 21.01.2011; Accepted: 15.02.2011.
2000 *Mathematics Subject Classification*. 54A05, 54A10, 54C08, 54C10.
Key words and phrases. $\mathcal{AC}_I$-set, $\mathcal{BC}_I$-set, β_I^*-open set, $\mathcal{C}_I$-set, b-I-regular set, ideal topological space, decomposition, $\star$-extremally disconnected ideal space, I-submaximal ideal space.
This paper is supported by Canakkale Onsekiz Mart University, BAP: 2010/12.