# Continuous Maps in Ideal Topological Spaces

O. Uma Maheswari* and A. Balraj

Department of Mathematics, Research Scholars, J. J. College of Arts and Science (A), Pudukkottai, India

*Corresponding authors: ard_uma@yahoo.com.sgb, balraj10684@gmail.com

## ABSTRACT

An ideal topological space is a triplet $(X, \tau, I)$, where $X$is a nonempty set, $\tau$is a topology on $X$, and I is an ideal of subsets of$X$. A subset A of a topological space $(X, \tau, I)$ is called a $\mathcal{b}^*I$closed set if $I_{int}(I_{cl}(A)) \subseteq U$, whenever $A \subseteq U$ and U is $b$-open in ideal. In this paper, a new class of continuous functions called $\mathcal{b}^*$-continuous maps in Ideal topological spaces are introduced and studied. Also some of their properties have been investigated with other closed maps in Ideal topological spaces.

**Keywords:** $I_{\mathcal{b}}^*$-Continuous, $I_{\mathcal{b}}^*$-Contra continuous, Ideal topological spaces



DOI: 10.21467/abstracts.158 ISBN: 978-81-965621-0-6 (eBook)