



Corrigendum [On β -Open Sets and Ideals in Topological Spaces, European Journal of Pure and Applied Mathematics, Vol. 12, No. 3, 2019, 893-905]

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Abstract. Corrigendum

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Key Words and Phrases: β -open sets, β_I -open sets, β_I -compactness, $c\beta_I$ -compactness, β_I -hyperconnectedness and $c\beta_I$ -hyperconnectedness

Lemma 1 (page 895) in [1] shall be omitted (the lemma is not true in general).

In Lemma 2 (page 895), Lemma 3 (page 895), Lemma 4 (page 896), Lemma 7 (page 901), Theorem 1 (page 896), Theorem 7 (page 899), Theorem 8 (page 899), and Theorem 9 (page 900) in [1], the topological space in the assumption should be a τ_ω -space, where τ_ω -space is a topological space X that satisfies the condition: $\text{int}(\text{cl}(A)) = \text{int}(\text{cl}(\text{int}A))$ for every $A \subseteq X$.

In Theorem 11 (page 901), Theorem 12 (page 901), Theorem 13 (page 901), Theorem 14 (page 902), and Theorem 16 (page 902) in [1], the topological space in the assumption should be a τ_ζ -space, where τ_ζ -space is a topological space X that satisfies the conditions: (1) $\text{cl}(A \cap B) = \text{cl}(A) \cap \text{cl}(B)$ for all $A, B \subseteq X$; and, (2) $\text{int}(A \cap B) = \text{int}(A) \cap \text{int}(B)$ for all $A, B \subseteq X$.

The corrected version of the paper is available at https://www.researchgate.net/publication/335337035_On_b-Open_Sets_and_Ideals_in_Topological_Spaces_Corrected_Version

References

- [1] G.T. Catalan, R.N. Padua, M.P. Baldado, On β -Open Sets and Ideals in Topological Spaces, European Journal of Pure and Applied Mathematics, Vol. 12, No. 3, 2019, 893-905

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