

Letter to the Editor

Comment on “Soft α -Open Sets and Soft α -Continuous Functions”

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Akdag and Ozkan pointed out in [1, Example 14] that the collection τ of soft sets is a soft topology over the universe $X = \{x_1, x_2, x_3, x_4\}$, where $E = \{e_1, e_2, e_3\}$ is the set of parameters. This conclusion is not correct since $(F_1, E) \tilde{\cap} (F_2, E) \notin \tau$, $(F_1, E) \tilde{\cup} (F_2, E) \notin \tau$, $(F_1, E) \tilde{\cap} (F_{11}, E) \notin \tau$, $(F_1, E) \tilde{\cap} (F_{14}, E) \notin \tau$, $(F_1, E) \tilde{\cup} (F_{14}, E) \notin \tau$, $(F_2, E) \tilde{\cup} (F_5, E) \notin \tau$, $(F_2, E) \tilde{\cup} (F_6, E) \notin \tau$, $(F_2, E) \tilde{\cap} (F_7, E) \notin \tau$, $(F_2, E) \tilde{\cup} (F_7, E) \notin \tau$, $(F_6, E) \tilde{\cap} (F_{14}, E) \notin \tau$, $(F_6, E) \tilde{\cup} (F_{14}, E) \notin \tau$, $(F_{14}, E) \tilde{\cap} (F_{15}, E) \notin \tau$, $(F_{14}, E) \tilde{\cup} (F_{15}, E) \notin \tau$, and many of the soft sets belong to the family τ and their soft intersection and soft union do not exist in τ . Consequently, [1, Examples 25, 30, 31, 32] also are incorrect. Also, the authors used the same Example 14 in [2, Example 1], so [2, Examples 2, 6, 7, 8] also are incorrect.

Conflict of Interests

There is no conflict of interests regarding the publication of this paper.

References

- [1] M. Akdag and A. Ozkan, “Soft α -open sets and soft α -continuous functions,” *Abstract and Applied Analysis*, vol. 2014, Article ID 891341, 7 pages, 2014.
- [2] M. Akdag and A. Ozkan, “Soft b -open sets and soft b -continuous functions,” *Mathematical Sciences*, vol. 8, article 124, 2014.