

## Letter to the Editor

# Comment on “Soft $\alpha$ -Open Sets and Soft $\alpha$ -Continuous Functions”

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Akdag and Ozkan pointed out in [1, Example 14] that the collection  $\tau$  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  $(F_1, E) \cap (F_2, E) \notin \tau$ ,  $(F_1, E) \cup (F_2, E) \notin \tau$ ,  $(F_1, E) \cap (F_{11}, E) \notin \tau$ ,  $(F_1, E) \cap (F_{14}, E) \notin \tau$ ,  $(F_1, E) \cup (F_{14}, E) \notin \tau$ ,  $(F_2, E) \cap (F_5, E) \notin \tau$ ,  $(F_2, E) \cap (F_6, E) \notin \tau$ ,  $(F_2, E) \cap (F_7, E) \notin \tau$ ,  $(F_2, E) \cup (F_7, E) \notin \tau$ ,  $(F_6, E) \cap (F_{14}, E) \notin \tau$ ,  $(F_6, E) \cup (F_{14}, E) \notin \tau$ ,  $(F_{14}, E) \cap (F_{15}, E) \notin \tau$ ,  $(F_{14}, E) \cup (F_{15}, E) \notin \tau$ , and many of the soft sets belong to the family  $\tau$  and their soft intersection and soft union do not exist in  $\tau$ . 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  $\alpha$ -open sets and soft  $\alpha$ -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.

