

**ERRATUM: “(WEAK) IMPLICATIVE HYPER K -IDEALS”,
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In [1], the authors made the following definition:

Definition ([1]). H satisfies the strong transitive condition if for all $A, B, C \subseteq H$, $A < B$ and $B < C$ imply that $A < C$.

We claim that this definition is satisfied only for hyper K -algebra $H = \{0\}$.

Let H be a hyper K -algebra of order $|H| \geq 2$ which satisfies the strong transitive condition. Since $\{x\} < \{x, y\}$ and $\{x, y\} < \{y\}$ for all $x, y \in H$, we get $x < y$, as the same way $y < x$. By (HK4), we have $x = y$. If $x = 0$, then $H = \{0\}$. So the results that assume the strong transitive condition are obsolete, that include Theorem 4.13 and Theorem 4.18 in [1] and Proposition 3.7 in [2].

References

- [1] A. Borumand Saeid, R. A. Borzooei, and M. M. Zahedi, (*Weak*) *Implicative hyper K -ideals*, Bull. Korean Math. Soc. **40** (2003), no. 1, 123–137.
- [2] M. M. Zahedi, A. Borumand Saeid, and R. A. Borzooei, *Implicative hyper K -algebras*, Czechoslovak Math. J. **55(130)** (2005), 439–453.

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