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Erratum about "Some new generalized topologies via hereditary classes" v. 30 2(2012): 71-77

1. Page 72. In Definition 2.1. $A^*_\kappa(\mathcal{H},\mu) = \{x \in X : A \cap U \notin \mathcal{H}$ for every $U \in \kappa$ such that $x \in U\}$.

2. Page 72. Lemma 2.6. Statement and proof are not correct. It should read as:

Lemma 2.6 *Let $(X,\mu,\mathcal{H})$ be a hereditary generalized topological space and $\kappa \in \{\alpha(\mu),\sigma(\mu),\pi(\mu),\beta(\mu)\}$. If $U \cap A \in \mathcal{H}$ for some $U \in \kappa$, then $U \cap A^*_\kappa = \emptyset$. In particular, if $H \in \mathcal{H}$, then $H^*_\kappa = X - \bigcup\{U : U \in \kappa\}$.*

Proof: Let $x \in U \cap A^*_\kappa$ where $U \in \kappa$. Then $x \in U$ and $x \in A^*_\kappa$. $x \in A^*_\kappa$ implies that $U \cap A \notin \mathcal{H}$ for every $U \in \kappa$ containing x, a contradiction to the hypothesis and so the proof follows.

Let $x \in X - \bigcup\{U : U \in \kappa\}$. Then x in not an element of any $U \in \kappa$ and so $x \in H^*_\kappa$. Therefore, $H^*_\kappa \supseteq X - \bigcup\{U : U \in \kappa\}$. Conversely, if $x \notin X - \bigcup\{U : U \in \kappa\}$, then $x \in U$ for some $U \in \kappa$. Since $U \cap H \in \mathcal{H}$, $x \notin H^*_\kappa$ and so $H^*_\kappa \subseteq X - \bigcup\{U : U \in \kappa\}$. Hence the Lemma 2.6. □

3. Page 73. Remark 2.10(4) is not correct for it contradicts Lemma 2.6 (particular case) when $\kappa \in \{\alpha(\mu),\sigma(\mu),\pi(\mu),\beta(\mu)\}$. However it is true when $\kappa \in \{\sigma(\mu),\beta(\mu)\}$.
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