In this paper we prove some properties about conjugate fuzzy subgroups of a group. We prove

(i) if $\lambda$ and $\mu$ be conjugate fuzzy subgroups of $G$ then $o(\lambda) = o(\mu)$.
(ii) If $\mu$ is a fuzzy subgroup of a group $G$, then (a) $o(a\mu a^{-1}) = o(\mu)$ $a \in G$
(b) $o(a\mu a^{-1}) = o(\mu) = o(\mu a)$, $a \in G$
(iii) Let $\mu$ be a fuzzy subgroup of a group $G$, then $o(\mu) | o(G)$
(iv) Let $\lambda$ and $\mu$ we two improper fuzzy subgroups of a group $G$. $\lambda$ and $\mu$ are conjugate fuzzy subgroups of $G$ if and only if $\lambda = \mu$.
(v) Let $\lambda$ and $\mu$ be any two fuzzy subsets of an abelian group $G$, $\lambda$ and $\mu$ are conjugate fuzzy subsets of $G$ if and only if $\lambda = \mu$. Finally we prove if $f$ is a fuzzy symmetric subgroup of $S_3$ then $o(Im(f)) = 3$. 

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