1147-20-70 **John Hutchens*** (hutchensjd@wssu.edu). *k-involutions of groups of type* E_6.

A symmetric k-variety is defined as the quotient $G(k)/H(k)$, where $H = G^\theta$ is the fixed point group of a k-involution $\theta \in \mathrm{Aut}(G)$ and $G(k)$ and $H(k)$ are the k-rational points of G and H. For every isomorphism class of k-involutions we get an isomorphism class of symmetric k-varieties when $\mathrm{char}(k) \neq 2$. Here we classify k-involutions of groups of type E_6 for fields of characteristic not 2 or 3 by considering groups of type E_6 as $\mathrm{Aut}^+(B)$ where B is a Brown algebra. (Received November 27, 2018)