

ABSTRACT. Let L be a Galois extension of K , fields, with Galois group Γ . We obtain two results. First, if $\Gamma = \text{Hol}(Z_{p^e})$, we determine the number of Hopf Galois structures on L/K where the associated group of the Hopf algebra H is Γ (i.e. $L \otimes_K H \cong L[\Gamma]$). Now let p be a safeprime, that is, p is a prime such that $q = (p-1)/2 > 2$ is also prime. If L/K is Galois with group $\Gamma = \text{Hol}(Z_p)$, p a safeprime, then for every group G of cardinality $p(p-1)$ there is an H -Hopf Galois structure on L/K where the associated group of H is G , and we count the structures.