

Hilbert Symbols—defined over  $\mathbb{Q}_p$ —have been used to determine whether or not a given quaternion algebra over  $\mathbb{Q}$  is split. Recently, John Voight has created a series of algorithms to compute the Hilbert Symbols over  $K_{\mathfrak{p}}$  (where  $K$  is a number field) to determine whether or not a given quaternion algebra over  $K$  is split. In this talk we will introduce these new algorithms, and include examples to illustrate how easily they can be used in practice.