

## $K_2$ FOR BIQUATERNION ALGEBRAS

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Let  $D/F$  be a central division algebra. For any finite splitting field  $E/F$  of  $D$  we have a canonical homomorphism  $K_i(E) \xrightarrow{\lambda_E} K_i(D)$ . The quotient of  $K_i(D)$  modulo the sum of images of all  $K_i(E)$  is denoted  $\overline{K}_i(D)$ . Note that  $\overline{K}_1(D)$  is always trivial. The vanishing of  $\overline{K}_2(D)$  for algebras of squarefree degree was established long time ago by Merkurjev and myself. The proof used the classical theorem of Wang concerning vanishing of  $SK_1$  for such algebras. Since  $SK_1$  for biquaternion division algebras is generically non zero it seems possible that  $\overline{K}_2$  for such algebras is non trivial as well.

The subject of this talk is to relate the group  $\overline{K}_2$  of a biquaternion algebra to Galois cohomology.