

**Title:**

Quadratic trace forms on symbol algebras

**Abstract:**

We give a brief overview of some elementary notions from the algebraic theory of quadratic forms and some classical results on central simple algebras. Then we introduce symbol algebras which can be viewed as generalisations of quaternion algebras. The quadratic trace form on such algebras can give useful information on the underlying algebras and we present some related results from our Ph.D. thesis (2012).