

# VALUATIONS ON CENTRAL SIMPLE ALGEBRAS

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In a joint work with Adrian Wadsworth (Trans. AMS 362 (2010)), the notion of (Schilling) valuation on skew fields has been extended to central simple algebras with zero divisors. The aim of this talk is to introduce this more general notion of valuation, and to show how it can be used to give simpler proofs of various theorems on division algebras over Henselian fields.