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Feng Chen* (fchen@emory.edu), 400 Dowman Dr, Math and CS Dept. ,Suite N410, Atlanta, GA 30322. *Indecomposable division algebras over function fields of smooth p -adic curves.*

We construct indecomposable division algebras over function fields of smooth curves X over \mathcal{Z}_p . This is done by defining a morphism $s : \text{Br}(\hat{K}(X))' \rightarrow \text{Br}(K(X))$, where $K(X)$ is the completion of $K(X)$ at the special fibre, and using it to lift indecomposable division algebras over $\hat{K}(X)$. (Received September 19, 2009)