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**Adam Chapman\*** (adchapman@math.msu.edu), Department of Mathematics, Michigan State University, 619 Red Cedar Road, East Lansing, MI 48824. *Subfields of quaternion algebras in characteristic 2.*

We discuss the situation where two quaternion algebras over a field of characteristic 2 have the same subfields. We show how to construct pairs of nonisomorphic quaternion algebras sharing the subfields, and give examples of fields over which quaternion algebras that have the same subfields must be isomorphic. (Received January 04, 2015)