1147-16-316 Adam Chapman* (adam1chapman@yahoo.com). Types of Linkage of Quaternion Algebras. Quaternion algebras over fields of characteristic 2 have maximal subfields of two types: separable field extensions of the center and inseparable field extensions of the center. We say that two quaternion algebras are separably (or inseparably) linked if they share a maximal subfield of the separable (inseparable) type. It is known that inseparable linkage implies separable linkage but not the other way around. We say that the two algebras are totally separably (inseparably) linked if they share all maximal subfields of the separable) type. Total separable linkage and total inseparable linkage are known not to imply each other. A new result by Andrew Dolphin and the speaker shows that total separable linkage implies inseparable linkage. We shall discuss this result and some related problems. (Received January 18, 2019)