1163-14-1428   **Rajesh S Kulkarni*** (`kulkarni@math.msu.edu`), 619 Red Cedar Rd, Department of Mathematics, Wells Hall, East Lansing, MI 48824, and **Charlotte Ure**, 141 Cabell Drive, Kerchof Hall, P.O. Box 400137, Charlottesville, VA 22904. *Curves of genus 1 and generic Clifford algebras.*

We consider the moduli problem of pairs of j-invariant 0 elliptic curves together with 3-torsion Brauer classes that are invariant under a special order 3 automorphism. In particular, we show that there is a bijection between such pairs and GL_2 orbits of an affine open subset in $\mathbb{A}^4$. The generic Clifford algebra plays the key role in the bijection. We will discuss this connection as well. (Received September 15, 2020)

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