

1125-14-1705

Tony Shaska*, Department of Mathematics and Statistics, Oakland University, Rochester, MI 48309, and **Andreas Malmendier**, Department of Mathematics and Statistics, Utah State University, Logan, UT 84322. *A universal pair of genus-two curves.*

Let \mathfrak{p} be any point in the moduli space of genus-two curves \mathcal{M}_2 and K its field of moduli. We provide a universal pair of genus-two curves over its minimal field of definition $K[d]$ where d^2 is given in terms of \mathfrak{p} . Furthermore, K is a field of definition if and only if d^2 is a complete square in K . (Received September 18, 2016)