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Title: *An analog of the Edwards model for Jacobians of genus 2 curves*

Abstract: We give the explicit equations for a  $\mathbb{P}^3 \times \mathbb{P}^3$  embedding of the Jacobian of a curve of genus 2, which gives a natural analog for abelian surfaces of the Edwards curve model of elliptic curves. This gives a much more succinct description of the Jacobian variety than the standard version in  $\mathbb{P}^{15}$ . We also give a condition under which, as for the Edwards curve, the abelian surfaces have a universal group law, with no exceptions. (This is joint work with E. Victor Flynn.)