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Soumya Sankar* (ssankar3@wisc.edu). *Proportion of ordinary curves in some families.*

Let k be a perfect field of characteristic p . An abelian variety A over k is said to be ordinary if its p -torsion, $A[p](\bar{k})$ is the largest possible. We ask the following question: what is the probability that a curve has ordinary Jacobian? We answer this for certain families of curves, including Artin-Schreier and superelliptic curves. (Received September 16, 2019)