1161-11-83 **A.C. Cojocaru*** (`cojocaru@uic.edu`), 851 S Morgan St, SEO 415, Chicago, IL 60607, and **Matthew Fitzpatrick**. *The growth of the absolute discriminant of the ring of endomorphisms of the reduction of an elliptic curve.*

Let $E/\mathbb{Q}$ be a non-CM elliptic curve. Assuming GRH, we prove that, for a set of primes p of density 1, the absolute discriminant of the $\mathbb{F}_p$-endomorphism ring of the reduction of E modulo p is close to maximal. (Received August 11, 2020)