1056-11-1092   **Álvaro Lozano-Robledo*** (`alozano@math.uconn.edu`), Department of Mathematics, 196 Auditorium Road, University of Connecticut, U-3009, Storrs, CT 06269, and **Benjamin Lundell** (`blundell@math.cornell.edu`). *Bounds for the torsion subgroup of elliptic curves over fields with bounded ramification.*

Let E be a semi-stable elliptic curve defined over $\mathbb{Q}$, and fix $N \geq 2$. Let $K/\mathbb{Q}$ be an algebraic Galois extension of $\mathbb{Q}$ whose ramification indices are all at most N. We show that there exists a computable bound $B(N)$, which depends only on N and not on the choice of $E/\mathbb{Q}$ or K, such that the size of the torsion subgroup of $E(K)$ is always at most $B(N)$. The bound will be given explicitly during the talk, and some examples will be provided. This is joint work with Benjamin Lundell. (Received September 20, 2009)