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On the orders of torsion points of elliptic curves. (Russian) [Zbl 0539.14020](#)
Zap. Nauchn. Semin. Leningr. Otd. Mat. Inst. Steklova 121, 47-57 (1983).

Let E be an elliptic curve defined over an algebraic number field K of degree n and class number h . The author concludes from the results of an earlier paper [cf. *Zap. Nauchn. Semin. Leningr. Otd. Mat. Inst. Steklova* 82, 5-28 (1973; [Zbl 0449.14004](#))] that if $E(K)$ contains all points of second order and one point of fourth order then the K -torsion is bounded by a constant depending only on n and h . Similarly [cf. also *Mat. Zametki* 14, 827-832 (1973; [Zbl 0284.14013](#))], the author proves that the same holds, if $E(K)$ contains the points of third order.

Reviewer: [G.Angermüller](#)

MSC:

- [14H45](#) Special algebraic curves and curves of low genus
- [14H52](#) Elliptic curves
- [14K15](#) Arithmetic ground fields for abelian varieties
- [14G25](#) Global ground fields in algebraic geometry

Cited in **1** Review

Keywords:

torsion points of third order; bounded torsion; elliptic curve

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