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Nonexistence of elliptic curves having everywhere good reduction and cubic discriminant.

(English) [Zbl 0991.11029](#)

Proc. Japan Acad., Ser. A 76, No. 9, 141-142 (2000).

The author proves that if p is a prime number such that $p \equiv 3(4)$ and $p \neq 3, 11$, then there is no elliptic curve defined over $K = \mathbb{Q}(\sqrt{3p})$ with everywhere good reduction over K and whose discriminant is a cube in K .

Reviewer: [Federico Pellarin \(Caen\)](#)

MSC:

[11G05](#) Elliptic curves over global fields

Cited in **2** Documents

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References:

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