

**عنوان مقاله:**

On the rank of certain parametrized elliptic curves

**محل انتشار:**

مجله نظریه تقریب و کاربرد, دوره 10, شماره 2 (سال: 1395)

تعداد صفحات اصل مقاله: 10

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**خلاصه مقاله:**

In this paper the family of elliptic curves over  $\mathbb{Q}$  given by the equation  $E_p: Y^2 = (X - p)^3 + X^3 + (X + p)^3$  where  $p$  is a prime number, is studied. It is shown that the maximal rank of the elliptic curves is at most 3 and some conditions under which we have  $\text{rank}(E_p(\mathbb{Q})) = 0$  or  $\text{rank}(E_p(\mathbb{Q})) = 1$  or  $\text{rank}(E_p(\mathbb{Q})) \geq 2$  are given.

**کلمات کلیدی:**

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1726733>

