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The number of bounded solutions of norm-form equations via Pell equations and ambiguous classes of solutions. (English summary)

JP J. Algebra Number Theory Appl. **10** (2008), *no. 2*, 237–246.

Let D be a positive integer which is not a square, and let c be a positive integer with $c > 1$. In this paper, using elementary number theory methods, the author discusses the number of nontrivial solutions (x, y) of the equation $x^2 - DY^2 = c$, where x and y are positive integers less than a certain bound related to Pell equations. It generalizes recent results given by J. Pihko [*JP J. Algebra Number Theory Appl.* **5** (2005), *no. 2*, 401–411; [MR2211780 \(2007a:11033\)](#)].

Reviewed by *Mao Hua Le*

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