

Florian Luca and Laszlo Szalay  
*Fibonacci numbers of the form  $p^a \pm p^b + 1$ ,*  
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**Abstract**

In this paper, we show that the diophantine equation  $F_n = p^a \pm p^b + 1$  has only finitely many positive integer solutions  $(n, p, a, b)$ , where  $p$  is a prime number and  $\max\{a, b\} \geq 2$ .