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On the Diophantine Equation $x^2 + 2^a \cdot 11^b = y^n$, Fibonacci Quart. **48** (2010), no. 1, 39–46.

Abstract

In this note, we resolve the Diophantine equation $x^2 + 2^a \cdot 11^b = y^n$ with coprime positive integers x, y and positive integers $n \ge 3$.