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*Diophantine equations with the Ramanujan \( \tau \) function of factorials, Fibonacci numbers, and Catalan numbers*, Fibonacci Quart. 57 (2019), no. 3, 255-259.

**Abstract**

In this note, we solve various Diophantine equations of the type \( |\tau(x)| = y \), where \( \tau \) is the Ramanujan \( \tau \) function and \( x \) and \( y \) are integer variables restricted to values of factorials, Fibonacci numbers, and Catalan numbers.