

Florian Luca, Japhet Odjoumani, and Alain Togbé
Tribonacci Numbers That Are Products of Two Fibonacci Numbers,
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Abstract

Let T_m be the m th Tribonacci number and F_n be the n th Fibonacci number. In this paper, we solve the Diophantine equation

$$T_m = F_n F_k$$

in positive integer unknowns m , n , and k .