Russell Euler and Jawad Sadek

A direct proof that F_n divides F_{mn} extended to divisibility properties of related numbers,

Fibonacci Quart. **54** (2016), no. 2, 160–165.

Abstract

A direct proof that F_n divides F_{mn} uses the quotient of the division to derive divisibility properties for Fibonacci, Lucas, Pell, and Pell-Lucas numbers.