Yufei Zhao
The Coefficients of a Truncated Fibonacci Power Series, Fibonacci Quart. 46/47 (2008/2009), no. 1, 53-55.

## Abstract

In this note, we give a short proof of the fact that the coefficients of the polynomial

$$
A_{n}(x)=(1-x)\left(1-x^{2}\right)\left(1-x^{3}\right) \cdots\left(1-x^{F_{n}}\right)\left(1-x^{F_{n+1}}\right)
$$

are all equal to $-1,0$ or 1 , where $F_{n}$ is the $n$th Fibonacci number. This improves the previous result that the coefficients of $\prod_{n \geq 2}\left(1-x^{F_{n}}\right)$ are all equal to $-1,0$ or 1 .

