

Hideyuki Ohtsuka and Shigeru Nakamura
On the Sum of Reciprocal Fibonacci Numbers,
Fibonacci Quart. **46/47** (2008/2009), no. 2, 153–159.

Abstract

In this paper we consider infinite sums derived from the reciprocals of the Fibonacci numbers, and infinite sums derived from the reciprocals of the square of the Fibonacci numbers. Applying the floor function to the reciprocals of these sums, we obtain equalities that involve the Fibonacci numbers.