

R. L. Ollerton and A. G. Shannon
A Note on Brousseau's Summation Problem,
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Abstract

This paper takes a historical view of some long-standing problems associated with the development of sums of Fibonacci numbers in which the latter have powers of integers as coefficients. The sequences of coefficients of these polynomials are arrayed in matrices with links to *The On-Line Encyclopedia of Integer Sequences*. This is an extension of previous work on the summation problem of Ledin because Brousseau introduced some elegant techniques for contracting the summations and the papers of both authors link with some interesting matrices.