Rachel K. Graves, Michael R. Bacon, and Charles K. Cook Using Matrices to Derive Identities for Recursive Sequences, Fibonacci Quart. **54** (2016), no. 3, 204–216.

## Abstract

Using matrix methods several identities and binomial summation formulas are obtained for a variety of recursive second and third order sequences. Some well-known summation identities will be extended to identities with negative subscripts.