

Hans J. H. Tuentler
Inverse Relations for Lucas Sequences,
Fibonacci Quart. **59** (2021), no. 3, 246–253.

Abstract

We give new identities for the Fibonacci and Lucas polynomials that can be seen as inverses of the well-known, closed-form expressions for these polynomials, and generalize an identity that was posed as a problem for solution by Paul S. Bruckman. We also give the corresponding inverse identities for Lucas and other sequences.