Wenchang Chu and Nadia N. Li Power Sums of Pell and Pell-Lucas Polynomials, Fibonacci Quart. **49** (2011), no. 2, 139–150

Abstract

Power sums of Pell and Pell–Lucas polynomials are examined. Twelve summation formulas are derived which contain the identities of Ozeki (2009) and Prodinger (2009) as special cases. Furthermore, two general formulas are shown for odd power sums of the unified Pell and Pell–Lucas polynomials.