

Emrah Kiliç, Helmut Prodinger, Ilker Akkus, and Hideyuki Ohtsuka  
*Formulas for Fibonomial Sums with generalized Fibonacci and Lucas coefficients,*  
Fibonacci Quart. **49** (2011), no. 4, 320–329.

**Abstract**

We consider certain Fibonomial sums with generalized Fibonacci and Lucas numbers coefficients and compute them explicitly. Some corollaries are also presented. The technique is to rewrite everything in terms of a variable  $q$ , and then to use Rothe's identity from classical  $q$ -calculus.