

Nassima Belaggoun and Hacène Belbachir  
*Combinatorial Identities for the Bi-Periodic Fibonacci Numbers Squared*,  
Fibonacci Quart. **62** (2024), no. 2, 136–146.

**Abstract**

In this paper, we provide a combinatorial interpretation for the bi-periodic Fibonacci numbers squared in terms of weighted linear tilings involving two types of tiles. This interpretation will allow us to establish combinatorial proofs for various identities concerning bi-periodic Fibonacci numbers squared.