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Fibonacci Summation Identities Arising from Catalan's Identity, Fibonacci Quart. **60** (2022), no. 4, 312–319.

Abstract

We show how Catalan's identity for the Fibonacci numbers can be leveraged to construct a large family (with some eccentric members) of summation identities involving the Fibonacci numbers. In the process, we provide a solution for a few problems that were posed in the problem sections of *The Fibonacci Quarterly*.