Ron Brown and Jonathan L. Merzel The number of Ducci sequences with given period, Fibonacci Quart. **45** (2007), no. 2, 115–121.

## Abstract

The exact number of periodic Ducci sequences of vectors with arbitrary dimension but with specified period is computed, assuming natural identifications of certain sequences having the same behavior. A duality theory is developed which shows that this computation is equivalent to a result of A. Ludington Young on the number of periodic Ducci sequences of specified dimension but arbitrary period.