Hayri Ardal, David S. Gunderson, Veselin Jungić, Bruce M. Landman, and Kevin Williamson<br>Ramsey Results Involving the Fibonacci Numbers, Fibonacci Quart. 46/47 (2008/2009), no. 1, 10-17.


#### Abstract

A collection $\mathcal{A}$ of sequences of positive integers is called regular if for all positive integers $k$ and $r$, there is a least positive integern $=n(k, r)$ such that for every partition of $\{1,2, \ldots, n\}$ into $r$ subsets, there is some subset that contains a $k$-term sequence belonging to $\mathcal{A}$. In this paper weexamine the regularity of families related to the Fibonacci numbers. In particular, we consider the regularity of the family of arithmetic progressions whose gaps are Fibonacci numbers, the family of increasing sequences (not necessarily arithmetic progressions) whose gaps are Fibonacci numbers, and thefamily of all sequences satisfying the Fibonacci recurrence $x_{i}=x_{i-1}+x_{i-2}$.


