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*Zero-Avoiding Solutions of the Fibonacci Recurrence Modulo A Prime*,  
Fibonacci Quart. **52** (2014), no. 1, 39–45.

**Abstract**

There are prime numbers  $p$  for which the Fibonacci recurrence  $x_{n+1} = x_n + x_{n-1}$  modulo  $p$  has solutions that do not visit 0. We identify primes for which such zero-avoiding solutions exist. Further, for such primes we determine the number of all zero-avoiding solutions.