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Upper Bound Residues of the Fibonacci Sequence Modulo Primes,
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Abstract

We show that $|\Omega_p| < 3(p+1)/4 + \sqrt{p}/2$ for all primes p , where Ω_p is the set of Fibonacci numbers modulo prime p . In the case of maximal Pisano periods, we determine the exact value of $|\Omega_p|$.