THE FIRST OCCURRENCE OF CERTAIN LARGE PRIME GAPS

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Abstract

The first occurrence of a string of $2r-1$ composite numbers between two primes (denoted by $f(r)$ and $f(r)+2r$) is tabulated for $f(r)$ in the range $2.6 \times 10^{12} < f(r) \leq 4.444 \times 10^{12}$. This extends earlier computations in the range $f(r) \leq 2.6 \times 10^{12}$.

Comments

Only the Abstract is given here. The full paper appeared as [2]. It is an extension of [1], which covers the range $f(r) \leq 2.6 \times 10^{12}$.

References

[1] R. P. Brent, "The first occurrence of large gaps between successive primes", *Mathematics of Computation* 27 (1973), 959-963. MR 48#8360, Zbl 269.10002. rpb019

[2] R. P. Brent, "The first occurrence of certain large prime gaps", *Mathematics of Computation* 35 (1980), 1435-1436. MR 81g:10002, Zbl 443.10003. rpb057

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