

We discuss how large Q can be for it to be true that, given $A > 0$, there exists a constant C such that

$$\sum_{q \leq Q} \max_{\substack{y \leq x \\ (a,q)=1}} \left| \pi(y, q, a) - \frac{\text{li } y}{\phi(q)} \right| \leq C \frac{x}{\log^A x}.$$

We describe the genesis of a conjecture.