

Review of: "The smallest gap between primes"

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Title: The smallest gap between primes

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In this paper, using some identities as well as other inequalities, the author has proved that the twin prime conjecture which states that there are infinitely many twin primes is true using reductio ad absurdum where a twin prime is a prime that has a prime gap of two.

In my opinion, the paper contains new and interesting results for those that work in this field of interest. The results are correctly proved, the English is a good one. However, certain straightforward queries/typos need to be addressed:

- I suggest that the author shall add some sentences in the introduction to explain the motivation to define the function $H_{\alpha}(x)$;
- The author shall recall the function H in Lemma 1 and $u(x)$ in Lemma 3 from the beginning.

I recommend the publication of this paper in Qeios