

Review of: "Integer topological proof of Dirichlet's theorem"

Jacob Tsimerman¹

¹ University of Toronto

Potential competing interests: No potential competing interests to declare.

The result is interesting and such a proof would be fantastic but appears to have many unclear definitions, and Lemma 2.0.0.1(1) is wrong. You cannot obtain, for instance, those elements that are $1 \pmod{6}$ as the complement of relatively prime arithmetic progressions (Any such union must contain a set that contains $4+kN$ where k is odd. Thus the union would contain $4+3k$ which is $1 \pmod{6}$). This seems to be a fatal flaw. The author must fix this flaw if possible, and greatly improve the readability and reader of their paper.