

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

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Potential competing interests: No potential competing interests to declare.

Dirichlet's theorem is a classical and beautiful result in elementary number theory, which has many proofs. In this paper, the author utilize a topology method to provide a new proof of Dirichlet's theorem. Of course, this new proof is very interesting. However, I find that it is very difficult to follow the proof of the main theorem. For Lemma 2.0.0.1, I have not understood it yet. The author should add some auxiliary explanations for Golomb's topology.