

Citation Analysis

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There Is No Largest Prime Number

The proof uses reductio ad absurdum.

Theorem

There is no largest prime number.

- 1 Suppose p were the largest prime number.
- 2
- 3
- 4 But $q + 1$ is greater than 1, thus divisible by some prime number not in the first p numbers.



There Is No Largest Prime Number

The proof uses reductio ad absurdum.

Theorem

There is no largest prime number.

- 1 Suppose p were the largest prime number.
- 2 Let q be the product of the first p numbers.
- 4 But $q + 1$ is greater than 1, thus divisible by some prime number not in the first p numbers.



There Is No Largest Prime Number

The proof uses reductio ad absurdum.

Theorem

There is no largest prime number.

- 1 Suppose p were the largest prime number.
- 2 Let q be the product of the first p numbers.
- 3 Then $q + 1$ is not divisible by any of them.
- 4 But $q + 1$ is greater than 1, thus divisible by some prime number not in the first p numbers.



A longer title

- one
- two



References I

