Results
Proof of the Main

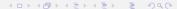
There Is No Largest Prime Number With an introduction to a new proof technique

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27th International Symposium on Prime Numbers, –280

- Results
 - Proof of the Main Theorem



There Is No Largest Prime Number

The proof uses reductio ad absurdum.

There Is No Largest Prime Number

Eukli

Results
Proof of the Main

Theorem

There is no largest prime number.

Proof.

- 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 Thus q + 1 is also prime and greater than p.