

Euclid of Alexandria euclid@alexandria.edu 27th International Symposium of Prime Numbers



Funded by:





The proof uses reductio ad absurdum.

Theorem

There is no largest prime number.

1. Suppose *p* were the largest prime number.

- 4. But q+1 is greater than 1, thus divisible by some prime number not in the first p numbers.
 - one
 - two
 - ▶ three
 - ▶ four



The proof uses reductio ad absurdum.



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- 1. Suppose p were the largest prime number.
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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.
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Acknowledgments



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- University of Cyprus

With the collaboration of

- ACB
- CDF





Outline

- Introduction
- ...
- Conclusions



Part I

Introduction



Alerts and Code



- Basic structure: part, section, subsection, subsubsection.
- \alert{Highlight} for word Highlight

Enter code using

- \begin{frame}[fragile]{...}{...}
- \begin{verbatim} ...paste code... \end{verbatim}





Centered text!

■ \begin{center}...\end{center}

Pauses



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\begin{enumerate}
    \item First bullet\pause
    \item Second bullet\pause
    \item Third bullet
\end{enumerate}
```

1. First bullet



Pauses



```
\begin{enumerate}
    \item First bullet\pause
    \item Second bullet\pause
    \item Third bullet
\end{enumerate}
```

- 1. First bullet
- 2. Second bullet



Pauses



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\begin{enumerate}
    \item First bullet\pause
    \item Second bullet\pause
    \item Third bullet
\end{enumerate}
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- 1. First bullet
- 2. Second bullet
- 3. Third bullet





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- Alert on slide 2
- Alert on slide 3
- Alert on slides 1 and 3
- Alert on slides 1,2 and 4





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- Alert on slides 1 and 3
- Alert on slides 1,2 and 4





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- Alert on slides 1,2 and 4



2 columns



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Part II

Blocks



Blocks



\begin{block}{Block title}
The project contributions could be written here!
\end{block}

Block title

The project contributions could be written here!



2-column block



Left column. You can add anything in here!

Block title

Right column. You can add anything in here!



Figures

- \usepackage{graphicx}
- jpg, png, pdf, eps, ps







Thank you!