aten.sty

atentwo

December 15, 2025

Contents

§1 Introduction

`aten.sty` provides a simple and lightweight solution to make your LaTeX documents prettier.

1.1 How to Use

Prepend the following to your tex file:

```
\documentclass{article}
\usepackage{aten}

\newcommand{\documenttitle}{DOCUMENT TITLE}
\newcommand{\authorname}{AUTHOR NAME}

\begin{document}

\title{\documenttitle}
\rhead{\textbf{\small \documenttitle}}
\lhead{\textbf{\small \authorname}}
\author{\authorname}
\maketitle

\tableofcontents
\newpage

% Content goes here
% \input{yourfile.tex} \newpage
% ...

\end{document}
```

1.2 Environments

These are what the environments look like. There's also Lemma, Corollary, and Observation. This is what a somewhat long paragraph looks like, with multiple lines.

The next paragraph has no indent.

Definition 1.1 (Definition)**.** This is the definition environment.

Multiline definitions should use definitionbox instead.

Definition 1.2

This is the definition box environment.

- This is a multiline definition
- There are many points

Theorem 1.3 (Simple Theorem)**.** This is the simplethm environment.

Proof. A proof of the simple theorem. □

There might be more text at the end of the proof.

Theorem 1.4 (A Theorem)

For odd, positive integers k, $1 + 4^k$ is divisible by 5.

Proof. We prove that $1+4^k \equiv 0 \pmod 5$ for all odd, positive integers k. Note that $4 \equiv -1 \pmod 5$

$$4^k \equiv (-1)^k \pmod 5.$$

For odd k, $(-1)^k = -1$, so:

$$4^k \equiv -1 \pmod 5 \Rightarrow 1 + 4^k \equiv 1 + (-1) = 0 \pmod 5.$$

Hence, $1 + 4^k$ is divisible by 5 for all odd $k \in \mathbb{Z}^+$. $\square$

Theorem 1.5. A theorem immediately succeeds the proof.

Theorem 1.6. Another theorem

Remark 1.7

This is a remark. The proof environment comes from amsthm.

Example 1.8 (An Example)

This is an example.
This example has more than one line.

More text.

1.3 More Features

Links are supported. Theorem 1.4 can either be proven through induction on the odd positive integers, or through a modular arithmetic argument.

§2 Conclusion

Last updated December 15, 2025.