

aten.sty

atentwo

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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

\end{document}
```

1.2 Environments

These are what the environments look like. You can change the colors by directly editing the sty file.

Definition 1.1

This is a definition.

Theorem 1.2 (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 $k \in \mathbb{Z}^+$. □

Remark 1.3

This is a remark.

Example 1.4 (An Example)

This is an example.

This example has more than one line.

1.3 More Features

Links are supported. [1.2](#) can either be proven through induction on the odd positive integers, or through a modular arithmetic argument.

2 Conclusion

Last updated 2025-05-23.