

Contents

1	Overview	2
1.1	Sample	2
1.2	Installation	2
1.3	Usage	3
2	Really really long chapter title that has to use more than one line because it is so long	5
	Index	6

Overview

1.1 Sample

Definition 1.1.1 ▶ amznotes

amznotes is a L^AT_EX package that makes it easy to write pretty notes.

Theorem 1.1.2 ▶ Cool Theorem

This L^AT_EX template is cool.

Proof. Here is what some math looks like:

$$\forall(n \in \mathbb{N}) \left[\sum_{i=1}^n i = \frac{n(n+1)}{2} \right]$$

$$\mathcal{L}\{f\}(s) = \int_0^\infty e^{-st} f(t) dt$$

Some more math:

$$\lfloor x \rfloor = \max\{n \in \mathbb{Z} : n \leq x\}$$

$$\lceil x \rceil = \min\{n \in \mathbb{Z} : n \geq x\}$$

The math is good.

As seen in Cool Theorem (Theorem 1.1.2), this template is pretty cool.

1.2 Installation

To install this package, download the amznotes.cls file and follow this guide¹. Alternatively, you can simply add the amznotes.cls file to the same directory as the .tex file you want to

¹<https://tex.stackexchange.com/questions/1137/where-do-i-place-my-own-sty-or-cls-files-to-make-them-available-to-all-my-te>

use it with.

1.3 Usage

Once installed, you can use the `amznotes` document class with `\documentclass[amznotes]{}`.

Code Snippet 1.3.1 ▶ Using `amznotes`

```
1 \documentclass[math,code]{amznotes}
```

The `math` option enables `thmbox` and various math macros. The `code` option enables `codebox` and code environments.

Using the boxes is pretty straight-forward. They're based on the `tcbtheorem` from `tcolorbox`. We can see how to use one below:

Code Snippet 1.3.2 ▶ Using boxes

```
1 \begin{exbox}{Cool Example}{coolexample}
2   This is my example!
3 \end{exbox}
4 \nameref{ex:coolexample} (example \ref{ex:coolexample}) is pretty
  cool.
```

This is what Code Snippet 1.3.2 produces:

Example 1.3.3 ▶ Cool Example

This is my example!

Cool Example (example 1.3.3) is pretty cool.

`amznotes` provides many predefined color boxes. The ones that are numbered include:

- `dfnbox` – definition box
- `exbox` – example box
- `tecbox` – technique box
- `thmbox` – theorem box (with option `math`)
- `codebox` – code box (with option `code`)

Some unnumbered/unindexed boxes include:

- `genbox` – general info box
- `notebox`

You can also easily create your own boxes with the amznotes style using the `\newamzbox` command in the preamble. These will be numbered and indexed like the other boxes.

Code Snippet 1.3.4 ▶ Using `\newamzbox`

```
1 \newamzbox{environment name}{title}{ref label}{color}[tcolorbox style]
```

Really really long chapter title that has to use more than one line because it is so long

Vivamus vehicula leo a justo. Quisque nec augue. Morbi mauris wisi, aliquet vitae, dignissim eget, sollicitudin molestie, ligula. In dictum enim sit amet risus. Curabitur vitae velit eu diam rhoncus hendrerit. Vivamus ut elit. Praesent mattis ipsum quis turpis. Curabitur rhoncus neque eu dui. Etiam vitae magna. Nam ullamcorper. Praesent interdum bibendum magna. Quisque auctor aliquam dolor. Morbi eu lorem et est porttitor fermentum. Nunc egestas arcu at tortor varius viverra. Fusce eu nulla ut nulla interdum consectetur. Vestibulum gravida. Morbi mattis libero sed est. Nam quis enim. Quisque ornare dui a tortor. Fusce consequat lacus pellentesque metus. Duis euismod. Duis non quam. Maecenas vitae dolor in ipsum auctor vehicula. Vivamus nec nibh eget wisi varius pulvinar. Cras a lacus. Etiam et massa. Donec in nisl sit amet dui imperdiet vestibulum. Duis porttitor nibh id eros.

Mauris consectetur, wisi eu lobortis scelerisque, urna nibh feugiat quam, id congue eros justo eget orci. Ut tellus. Maecenas mattis sapien sed eros. Aliquam quis lectus. Donec nec massa ac turpis semper cursus. Etiam consectetur ante vel odio. Aliquam tincidunt felis non dolor. Cras id augue ut nisl pretium placerat. Phasellus sapien sapien, pharetra sed, aliquam nec, suscipit a, nibh. Suspendisse risus. Nulla ut mi eget tellus sollicitudin euismod. Vestibulum malesuada malesuada dui. Ut at est ac dui aliquam sagittis. Aliquam erat volutpat.

Etiam pede massa, dapibus vitae, rhoncus in, placerat posuere, odio. Vestibulum luctus commodo lacus. Morbi lacus dui, tempor sed, euismod eget, condimentum at, tortor. Phasellus aliquet odio ac lacus tempor faucibus. Praesent sed sem. Praesent iaculis. Cras rhoncus tellus sed justo ullamcorper sagittis. Donec quis orci. Sed ut tortor quis tellus euismod tincidunt. Suspendisse congue nisl eu elit. Aliquam tortor diam, tempus id, tristique eget, sodales vel, nulla. Praesent tellus mi, condimentum sed, viverra at, consectetur quis, lectus. In auctor vehicula orci. Sed pede sapien, euismod in, suscipit in, pharetra placerat, metus. Vivamus commodo dui non odio. Donec et felis.

Donec metus metus, condimentum eu, accumsan nec, vulputate non, purus. Vestibulum ullamcorper vehicula sapien. Mauris risus odio, hendrerit ac, congue ac, ullamcorper at, odio. Aenean leo justo, commodo vitae, placerat blandit, malesuada vel, sem. Donec sit amet ante eget mauris adipiscing sollicitudin. Curabitur posuere sem et leo. Nulla ultricies mauris. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Fusce sollicitudin augue vel tellus. Vivamus mauris eros, pharetra vel, lacinia pretium, egestas a, nibh. Morbi a ligula.

Index

Definitions

1.1.1 amznotes 2

Theorems

1.1.2 Cool Theorem 2

Examples

1.3.3 Cool Example 3

Code Snippets

1.3.1 Using amznotes 3

1.3.2 Using boxes 3

1.3.4 Using \newamzbox 4