# Contents

# 1 Sample

amznotesamznotes amznotes is a LaTeX package that makes it easy to write pretty notes.

Cool Theoremcool This LaTeX template is cool. Here is what some math looks like:

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

$$\{f\}(s) = \int_{0}^{\infty} e^{-st} f(t) \ dt$$

Some more math: x = $\max\{n \in: n \leq x\}$
$x = \min\{n \in: n \geq x\}$ The math is good.

As seen in thm:cool (Theorem ??), this template is pretty cool.

# 2 Installation

To install this package, download the https://raw.githubusercontent.com/alexmingzhang/latex-notes-template/main/amznotes.clsamznotes.cls file and follow https://tex.stackexchange.com/quest do-i-place-my-own-sty-or-cls-files-to-make-them-available-to-all-my-tethis guide[1]. Alternatively, you can simply add the amznotes.cls file to the same directory as the `.tex` file you want to use it with.

# 3 Usage

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

Using amznotescool latex [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: Using boxesboxes latex Cool Examplecoolexample This is my example! ex:coolexample (example ??) is pretty cool.

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[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

This is what Code Snippet **??** produces:

Cool Examplecoolexample This is my example! ex:coolexample (example **??**) is pretty cool.

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

> [noitemsep]`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:

> [noitemsep]`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.

Using `\newamzbox` latex environment nametitleref labelcolor[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 consectetuer. 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.

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