LaTeX **Packages**

# Manual 1: `zennote` for Fancy Notes

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**Note:** This documentation needs to be compiled in XeLaTeX or LuaLaTeX.

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# 1 Introduction

## 1.1 Basic Functions

This `zennote` package aims to provide you with an easy interface to speed up the process when organizing and producing elegant notes.

All the tables, figures, equations, and listings are labeled according to the `notenumber` with the `\titlebox` command.

The `noteframe` environment helps you generate fancy colored boxes to emphasize the important information (e.g. Theorems, Equations, Proof, etc.) in your document. You can customize the style and color to denote different categories, too.

## 1.2 License



# 2 Note Title

`zennote` provides `\titlebox{<settings>}` command to generate the following title box for your note, where `settings` help you set the key information of your note, including:

- `top-left`, Text on Top-Left Corner;
- `top-right`, Text on Top-Right Corner;
- `bottom-left`, Text on Bottom-Left Corner;
- `bottom-right`, Text on Bottom-Right Corner;
- `notenumber`, Note Number;
- `topic`, Note Topic;
- `type`, Note Type (e.g. Chapter, Unit, Note).

## 2.1 Usage

```
\titlebox{
    top-left = {topleft},
    top-right = {topright},
    bottom-left = {bottomleft},
    bottom-right = {bottomright},
    notenumber = {1},
    topic = {topic},
    type = {Note}
}
```

## 2.2 Result

topleft topright

Note 1: topic

bottomleft bottomright

# 3 Note Highlighter

`zennote` provides `noteframe` environment to generate the following "highlighter boxes." Users can set the key values in options to customize the styles of the frame, which includes:

- `color`, The color of the frame, which can be chosen from `\usepackage[dvipsnames]{xcolor}`. The default color is **cyan**;
- `style`, The edge of the frame, which can be chosen from `zero`, `one`, and `two`. The default edge style is `one`;
- `title`, The title of the frame.

## 3.1 Examples

### 3.1.1 Usage 1

```
\begin{noteframe}[title = {Default}]
    Cyan Box Example Content.
\end{noteframe}
```

### 3.1.2 Result 1

**Default**

Cyan Box Example Content.

(*To be continued on the next page...*)

#### 3.1.3 Usage 2

```
\begin{noteframe}[
    title = {style: two and color: LimeGreen},
    color = {LimeGreen},
    style = {two}
]
    LimeGreen Box Example Content.
    \begin{align}
        a^2 + b^2 = c^2
    \end{align}
\end{noteframe}
```

#### 3.1.4 Result 2

**style: two and color: LimeGreen**

LimeGreen Box Example Content.

$$a^2 + b^2 = c^2 \tag{1.1}$$

(*To be continued on the next page...*)

#### 3.1.5 Usage 3

```
\begin{noteframe}[style = {zero}]
    Cyan Box Example Content.
    \begin{center}
        \includegraphics[width = 5cm]{example-image-a}
        \captionof{figure}{this is a picture.}
    \end{center}
\end{noteframe}
```

#### 3.1.6 Result 3

Cyan Box Example Content.

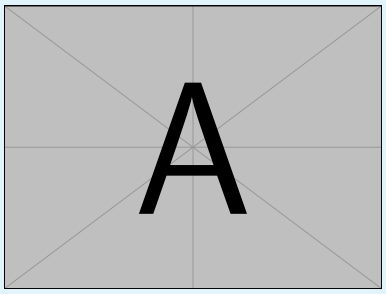


Figure 1.1: this is a picture.

### 3.2 Caveats

It is crucial to write `\usepackage{zennote}` ***after*** `\usepackage[dvipsnames]{xcolor}` to prevent potential error when coloring the frame.