

taiga

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1 Introduction

A personal custom LaTeX Package that contains various other packages for more convenient use.

Below is an explanation of the code written in taiga.sty and possible use cases for it.

Disclaimer: This package was intended for personal use and this "manual" is far from complete / ideal.

2 Packages required

2.1 ifthen

So that I could use some better if then code for package options implementation.
May be reductant

2.2 [T1] fontenc, [utf8] inputenc

Just standard font encoding.

2.3 Graphicx

Put Images, i.e.

```
\includegraphics[width=\textwidth]{universe}
```

2.4 [hyphens] url

So that hyphens could wrap around urls properly. Must be put before hyperref.

2.5 hyperref

Produce hypertext links in the document, i.e.

```
\href{google.com}{Google}
```

2.6 multicol

Multiple columns, i.e.

```
\begin{multicols}{2}[ %Text with 1 column]
%Text to be seperated automatically by multicol
\end{multicols}
```

2.7 lipsum

Sample text, i.e.

```
\lipsum[2-4]
```

2.8 todonotes

```
\todo{Add details}
```

2.9 textcomp

Provides extra symbols, i.e.

```
\textrightarrow, \textcelsius
```

2.10 caption

Captions in tables.

2.11 gensymb

Provides generic commands which work on both text / math mode, i.e.

```
\degree, \celsius, \perthousand, \micro and \ohm
```

2.12 booktabs

```
\begin{tabular}{@{}llr@{}}
\toprule
\addlinespace[0.1em]
\midrule
\bottomrule
\end{tabular}
```

2.13 float

For tables so that the location is precise.

```
\begin{table}[H]
```

2.14 microtype

Make stuff look better?

2.15 siunitx

```
\si{kg.m.s^{-1}} or \si{\kilogram\metre\per\second}
\num{.3e45}
```

2.16 times

Times font. I just really like it.

3 Options

3.1 maths

Uses tikz, pgf and pgfplots to plot graphs. Below is required

```
pgfplotsset{compat=1.15}
```

Uses all of ams packages plus mathtools which seems to makes things nicer
The below means that the Y counter restarts every X.

```
newtheorem{Y}{Y}[X]
```

Here's how to use the environments for $Y \in \{\text{theorem, lemma, definition}\}$

```
\begin{Y}[Name of the thing]
\end{Y}
```

There are also some nice shortcuts,

```
\N: \mathbb{N}
\Z: \mathbb{Z}
\Q: \mathbb{Q}
\R: \mathbb{R}
```

3.2 chemistry

mcchem for displaying chemical formulae.
chemfig and tikz for drawing molecular structures.

3.3 indentfirst

So that every paragraph is indented.

3.4 flux

Puts a yellow tint over the entire document.

3.5 bibliography

To use, create a bibliography.bib file and edit it using JabRef Site stuff by using

```
\cite{}
```

At the end of the document, add

```
\bibliography{bibliography}
```

3.6 legacy

Many of my old documents use

```
\ce{->}
```

So I included mcchem.

3.7 a4paper

Uses geometry to make the margins more suited for a4.

3.8 noindent

No indent for all paragraphs.

3.9 tocnosections

Only parts and chapters would be displayed in table of content.