Taiga

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1 Introduction

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

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 stuff idk

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 url

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]
\middlerule
\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 $Y \in \{$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