


Cheat sheet on refcard

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Introduction

According to Wikipedia, a cheat sheet is a concise set of notes used for quick reference. Some might even call it a reference sheet, hence the name. In lieu of a proper documentation, we provide herewith a reference sheet for the document class `refcard`.

This small class is aimed to make the typesetting of reference sheets a bit less tedious, so you can focus on using them. The class is inspired from the question and answer  Document Class for Reference Cards.

Since `refcard` is based on `article` most options can be passed on.

Additional Options

`columns=<num>` How many columns, default is 3.
`margin=<length>` Passed to geometry, default 1 cm.

Disabled Options

`portrait` only supports landscape; ignored, warning.
`titlepage` saving space, so no title page; ignored, warning.
`twocolumn` class uses `multicol`; break, error.

Features

- Dense settings to save maximum space.
- No enumeration of (sub)sections.
- Customised itemise environments.

Environments

Description based environments

The environment `refcardlist` is a description based list, which means that the item is a string, for example to use as a command. It automatically adjusts the width of the label to the longest one. The label can be formatted by specifying `labelfont=<command>`.

For example:

Short text text text
A long label text text text
Shorter text text text

```
\begin{refcardlist}[labelfont=\ttfamily]
\item[Short]            text text text
\item[A long label]    text text text
\item[Shorter]         text text text
\end{refcardlist}
```

Inline description list

With the environment `refcardinline` the list will be set as a single paragraph. The label can be formatted by specifying `labelfont=<command>`. Items are joined by a semicolon (;) and the list is closed with a full stop (.).

For example: *Short* text text text; *A long label* text text text; *Shorter* text text text.

```
\begin{refcardinline}[labelfont=\itshape]
\item[Short]            text text text
\item[A long label]    text text text
\item[Shorter]         text text text
\end{refcardinline}
```

Column assorted list

The environment `refcardcolumnlist` provides access to a list, which is set in multiple columns. The number of columns can be given as an optional argument, in the form `envcolumns=<INT>` the default is to use two.

– text – text – text – text – text
– text – text – text – text

```
\begin{refcardcolumnlist}
\begin{rscolslist}[envcolumns=5]
\item text
\item text
\item text
\item text
\item text
\item text
\item text
\item text
\item text
\end{refcardcolumnlist}
```

Verbatim Code Fragments

While it is often desired for these cheat sheets, it is not easily implemented. For the time being, there is an environment which accepts “code”: `refcardverblast`.

\times `\times` \supset `\supset` ϵ `\epsilon`
 ∞ `\infty` α `\alpha`

```
\begin{refcardverblast}[envcolumns=3]
\item[(\times)] \linline\times
\item[(\infty)] \linline\infty
\item[(\supset)] \linline\supset
\item[(\alpha)] \linline\alpha
\item[(\epsilon)] \linline\epsilon
\end{refcardverblast}
```

It is (currently) not possible to use the verbatim string as a label. If this is desired, switch to a tabular based environment, which is described below.

Table based environments

The table based environments use the `tabularx` package, where the row of the table will fill the whole line.

The first one is `refcardtable`. The number of columns can be changed in the optional argument, but defaults to two, e.g. `envcolumns=<INT>`. The alignment of the columns can be changed with `cellalign=<r|l|c|X>`. The last column, however, is special, because it is used to balance the table and therefore the column type is fixed as `X`.

As mentioned before, strings to be handled verbatim can be placed in this environment, see row 3

Short	1	text text text
A long label	2	text text text
Shorter	3	text text text







```
\begin{refcardtable}[envcolumns=3,cellalign=c]
\hline
Short            & 1 & text text text\\
A long label & 2 & text text text\\
\linline|Shorter| & 3 & text \linline|text|
                  text\\
\hline
\end{refcardtable}
```

The second one is meant to be used for maths notation, called `rsmathtable`, which has no argument. The first column is set in display style maths mode and will be fitted to the widest entry. The second column is meant for the description and like the table before, the type is fixed as `X`.





$pV = nRT$	Ideal gas law
$0 = e^{i\pi} + 1$	Euler’s identity
$\log(MN) = \log(M) + \log(N)$	Logarithm addition rule

```
\begin{refcardmathtable}
pV = nRT    & Ideal gas law \\
0 = e^{i\pi} + 1 & Euler’s identity \\
\log(MN) = \log(M) + \log(N) & Logarithm addition
rule\\
\end{refcardmathtable}
```

Acknowledgments

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Currently maintained by Martin C Schwarzer  .

The class and the document are licensed    .