Appendices with Subnumbered Figures, Equations, Tables

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This paper describes package `appendix`
version 2.2 from 2005/10/30

It is part of the `preprint` *collection of packages*

Summary

The stripped version of this file contains the following brief description:

```
 % Adding this package redefines \appendix so that main counters for
 % figures, tables, equations are subnumbered under the appendix.
<plates> % The plate counter is also subnumbered.
 % A \noappendix command is included so that things like bibliographies
 % may be called after the appendix with \section*. It resets the sectioning
 % commands. There should be no \section commands after this though.
<agu> % The appendix is formatted for AGU journals.
<egs> % The appendix is formatted for EGS journals.
<*!209>
 %
 % LaTeX2e options:
 %   mylang (default) -> keeps current \appendixname
 %   english, american  -> sets \appendixname to  ‘Appendix’
 %   german, austrian, french, esperanto -> translates \appendixname
 %   blank    -> suppresses the word ‘Appendix’ with \appendix
 % Options processed in order given, default is mylang (no change)
</!209>
```


1 Introduction

The appendices in standard LaTeX `article` class are fairly weak. There is no title for them and the numbering of figures, equations, etc. continue as normal within them. In `book` and `report` things are different, but that is because these objects are subnumbered under the chapters anyway.

2 Invoking the Package

The macros in this package are included in the main document with the `\usepackage` command of LaTeX 2_ε,

```
\documentclass[..]{...}
\usepackage[options]{appendix}
```

where the possible *options* are described below.

Alternatively, the name of the package is added as an option to the `\documentstyle` command in LaTeX 2.09 compatibility mode, as

```
\documentstyle[..appendix..]{...}
```

`\appendix` With the package loaded, the standard command `\appendix` is redefined accordingly. There is really nothing more to do.

`\noappendix` An additional command also exists, `\noappendix` to undo the effects of `\appendix`. This only makes sense for certain listings like `thebibliography` environment that use `\section*` after the appendix. There really should be no figures, etc. called after `\noappendix` is given, nor any `\section` commands. It is only provided for `\section*`, and then only when `\appendix` has altered the sectioning commands so that they print text (the word 'Appendix' for example) even with the starred version.

3 Extra Features

In its default coding, `appendix` not only subnumbers figures, tables, and equations within appendices, it also writes the word 'Appendix' when `\appendix` is called. This is done with `\section*`, so it will be formatted accordingly. The appendix titles that are printed with `\section` consist of the appendix letter plus title, as in standard LaTeX. The `\section` command is not redefined. The subappendices (with `\subsection`) are numbered without the dot, as A1, A2, etc. This deviates from standard LaTeX.

`\appendixname` In fact, it is the command `\appendixname` that is printed as a title when `\appendix` is issued. This text may be redefined with `\renewcommand` as one pleases. If it is defined to be blank, then no title is printed, not even a blank line. (See Section 4 for other ways of changing this text.)

4 LaTeX 2_ε Options

Under LaTeX 2_ε, *options* may be added to the `\usepackage` command that loads the package. The available options with this package alter the default definition of `\appendixname` for other languages.

`mylang` (default) keeps the current value of `\appendixname`, or if it is undefined, sets it to 'Appendix';

`english, american` set `\appendixname` unconditionally to 'Appendix';

`german, austrian, french, esperanto` set `\appendixname` to the translation of the given language;

`blank` suppresses the printing of the appendix title with the `\appendix` command.

The options are processed in the order they are given, so it is the last one always dominates.

Of course, it is always possible to redefine `\appendixname` to any desired text, even in LaTeX 2.09.