

# Reviews of Modern Physics Style Guide

## II. PRELIMINARY MATTER

Begin your text file with a document *preamble* consisting of header, list of options, and the command `\begin{document}`.

### A. Document header

A L<sup>A</sup>T<sub>E</sub>X file for *RMP* must begin with the following statement:

```
\documentclass[rmp,aps,joptions]{revtex4-1}
```

The *options* may include `reprint`, `endfloats`, `nofootinbib`, or other options available to users of REV<sub>T</sub>E<sub>X</sub>. Use of BIB<sub>T</sub>E<sub>X</sub> is not indicated here; BIB<sub>T</sub>E<sub>X</sub> is a separate entity. The use of BIB<sub>T</sub>E<sub>X</sub> is described in Sec. IX.E of this guide.

### B. Begin Document

After the `\documentclass` statement, you will likely have a few instances of the optional statements such as `\usepackage` (with which you load packages for handling graphics and special features) and possibly `\newcommand` (with which you can define shortcuts for commonly used mathematical expressions). Consult REV<sub>T</sub>E<sub>X</sub> and L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> documentation for details. The next statement that is required, however, is

```
\begin{document}
```

There is a matching command to be placed at the end of the entire file:

```
\end{document}
```

### C. Title

There is a 10-word limit on the titles of *RMP* articles. Nonstandard abbreviations and acronyms are not allowed. Both these rules are to encourage accessibility and reader friendliness. Words are suggested in place of greek symbols in titles to facilitate posting them in html.

Give the title of your document in the `\title` statement in curly brackets, for example,

```
\title{Origin of the matter-antimatter  
asymmetry}
```

Begin the first word with a capital letter; thereafter capitalize only proper or trade names and chemical symbols.

### D. Author(s) and Affiliation(s)

Authors should use the same form of their names in all publications (not A.L. Smith in one and Ann Smith in another) so that in author indexes like the *Science Citation Index* all work by the same author will appear in one place. Capitalize the first letter of each name, but not the whole name.

After each author name give an affiliation with complete postal address except for box number or street address.

Note that in *RMP*, the use of superscripts referring to affiliations in a footnote is not allowed. Multiple affiliations are to be listed on separate lines. The proper way to do this in REV<sub>T</sub>E<sub>X</sub> 4.1 is

```
\author{P.T. Wilson}  
\author{Y. Jiang}  
\affiliation{Department of Physics, University of  
Texas, Austin, TX 78712, USA}  
\author{O.A. Aktsipetrov}  
\affiliation{Department of Physics, Moscow State  
University, Moscow, Russia}  
\affiliation{Bartol Research Institute, University of  
Delaware, Newark, Delaware 19716, USA}
```

which displays as

P.T. Wilson and Y. Jiang  
*Department of Physics,  
University of Texas, Austin, TX 78712, USA*  
O.A. Aktsipetrov  
*Department of Physics, Moscow State University,  
Moscow, Russia* and  
*Bartol Research Institute, University of Delaware,  
Newark, Delaware 19716, USA*

Note that multiple authors from the same institution are listed in separate `\author` statements. Additional information such as email addresses, alternate affiliations, and the like are given in footnotes. For email, specify “Electronic address,” e.g., `\email{Electronic address: aktsip@bartol.udel.edu}`.

### E. Abstract

The abstract should be a concise summary of the subjects treated in the paper. It will be used as a basis for indexing and will also be published separately from the article in at least one abstract journal. Therefore it should be completely self-contained (no footnotes or numbered references) and should avoid the use of “I” or “we.” Substitute “this article,” “the review,” “the author(s),” or

passive constructions for the first person. The abstract should consist of no more than one paragraph. The first line should not be indented. In L<sup>A</sup>T<sub>E</sub>X, the abstract begins with

```
\begin{abstract}
```

and ends with

```
\end{abstract}
```

#### F. `\maketitle`

The next statement after the `\end{abstract}` statement should be

```
\maketitle
```

by itself on one line. This statement creates the title page, including the abstract.

#### G. Table of Contents

The table of contents is generated and formatted automatically by REV<sub>T</sub>E<sub>X</sub>. Every titled section and sub-

section of the paper will be listed here, using exactly the same wording as in the `\section` and `\subsection` statements. There is no need to give manuscript page numbers; printed page numbers will be filled in when the proofs are paginated.

To create a table of contents, simply put the statement

```
\tableofcontents
```

after the `\maketitle` statement. Here is a sample table of contents:

#### CONTENTS

- I. Introduction
- II. Basic Equations and Concepts
  - A. Unaveraged equations
  - B. Averaged equations
- III. Homogeneous Fluctuations
- IV. Inhomogeneous Fluctuations
- V. Conclusions
- Acknowledgments
- Appendix
- References