A Nifty Latex Template

Robert G. Brown
Duke University Physics Department
Durham, NC 27708-0305
rgb@phy.duke.edu

October 26, 2006

Copyright Notice
Copyright Robert G. Brown 2006
See attached Open Publication License
## Contents

1. **Section One** 3  
  1.1 Subsectioning Text 3  
  1.1.1 Subsubsectioned Text 3  

A. **License Terms for “LaTeX Project Template”** 5  
  A.1 General Terms 5  
  A.2 The “Beverage” Modification to the OPI 5  
  A.3 OPEN PUBLICATION LICENSE Draft v0.4, 8 June 1999 6
1 Section One

This is text in section one.

It can contain inline math: $E = h\omega$.

It can contain numbered equations:

\[ H\psi = E\psi = h\omega\psi \]  \hspace{1cm} (1)

It can even contain numbered aligned equation “arrays”:

\[
\begin{align*}
H\psi & = -i\hbar \frac{\partial\psi}{\partial t} \\
& = h\omega\psi \\
& = E\psi
\end{align*}
\]  \hspace{1cm} (2)

1.1 Subsectioning Text

Subsectioning text is certainly possible, and yields a trace in the table of contents (if any).

1.1.1 Subsubsectioned Text

Text at this level still gets a TOC entry in some document classes, but not all. TOC’s usually only go three levels deep, four if you use the “part” command in a book. Still useful for the formatting.

That’s really about it. You can do stuff like **boldfacing** and using \texttt{tsf} fonts or \texttt{Huge} fonts, but you probably shouldn’t as they make the text look odd.
You can do tables and tabs and much more, but that is too much to demo in a simple template like this, especially when a lot of that will vary as you add packages.

Simple latex is the best, unless you are writing for a very specific purpose with very specific requirements. It is what latex is really designed for – the whole idea of markup is to trust professionals to lay out appropriate fonts, sizes, and so on for various document objects in a completely uniform way. Latex documents invariably look like they are ripped right out of the pages of a book, even when they are really simple ones (like this one)!

Good Luck!

The following appendix is an example of a Gnu Open Publication License. Don’t worry, you can take this template and use it any way that you wish, with or without the OPL announcement. However, if you use it you owe me a beer...
A License Terms for “LaTeX Project Template”

A.1 General Terms

License is granted to copy or use this document according to the Open Public License (OPL, enclosed below), which is a Public License, developed by the GNU Foundation, which applies to “open source” generic documents.

In addition there are three modifications to the OPL:

Distribution of substantively modified versions of this document is prohibited without the explicit permission of the copyright holder. (This is to prevent errors from being introduced which would reflect badly on the author’s professional abilities.)

Distribution of the work or derivative of the work in any standard (paper) book form is prohibited unless prior permission is obtained from the copyright holder. (This is so that the author can make at least some money if this work is republished as a textbook or set of notes and sold commercially for – somebody’s – profit. The author doesn’t care about copies photocopied or locally printed and distributed free or at cost to students to support a course, except as far as the next clause is concerned.)

The "Beverage" modification listed below applies to all non-Duke usage of these notes in any form (online or in a paper publication). Note that this modification is probably not legally defensible and can be followed really pretty much according to the honor rule.

As to my personal preferences in beverages, red wine is great, beer is delightful, and Coca Cola or coffee or tea or even milk acceptable to those who for religious or personal reasons wish to avoid stressing my liver. Students at Duke, whether in my class or not, of course, are automatically exempt from the beverage modification. It can be presumed that the fraction of their tuition that goes to pay my salary counts for any number of beverages.

A.2 The “Beverage” Modification to the OPL

Any user of this OPL-copyrighted material shall, upon meeting the primary author(s) of this OPL-copyrighted material for the first time under the appropriate circumstances, offer to buy him or her or them a beverage. This beverage may or may not be alcoholic, depending on the personal ethical and moral views of the offerer(s) and receiver(s). The beverage cost need not exceed one U.S. dollar (although it certainly may at the whim of the offerer:-) and may be accepted or declined with no further obligation on the part of the offerer. It is not necessary to repeat the offer after the first meeting, but it can’t hurt...
A.3 OPEN PUBLICATION LICENSE Draft v0.4, 8 June 1999

I. REQUIREMENTS ON BOTH UNMODIFIED AND MODIFIED VERSIONS

The Open Publication works may be reproduced and distributed in whole or in part, in any medium physical or electronic, provided that the terms of this license are adhered to, and that this license or an incorporation of it by reference (with any options elected by the author(s) and/or publisher) is displayed in the reproduction.

Proper form for an incorporation by reference is as follows:

Copyright (c) <year> by <author's name or designee>. This material may be distributed only subject to the terms and conditions set forth in the Open Publication License, vX.Y or later (the latest version is presently available at http://www.opencontent.org/openpub/).

The reference must be immediately followed with any options elected by the author(s) and/or publisher of the document (see section VI).

Commercial redistribution of Open Publication-licensed material is permitted.

Any publication in standard (paper) book form shall require the citation of the original publisher and author. The publisher and author's names shall appear on all outer surfaces of the book. On all outer surfaces of the book the original publisher's name shall be as large as the title of the work and cited as possessive with respect to the title.

II. COPYRIGHT

The copyright to each Open Publication is owned by its author(s) or designee.

III. SCOPE OF LICENSE

The following license terms apply to all Open Publication works, unless otherwise explicitly stated in the document.

Mere aggregation of Open Publication works or a portion of an Open Publication work with other works or programs on the same media shall not cause this license to apply to those other works. The aggregate work shall contain a notice specifying the inclusion of the Open Publication material and appropriate copyright notice.

SEVERABILITY. If any part of this license is found to be unenforceable in any jurisdiction, the remaining portions of the license remain in force.

NO WARRANTY. Open Publication works are licensed and provided "as is" without warranty of any kind, express or implied, including, but not limited to,
the implied warranties of merchantability and fitness for a particular purpose or a warranty of non-infringement.

IV. REQUIREMENTS ON MODIFIED WORKS

All modified versions of documents covered by this license, including translations, anthologies, compilations and partial documents, must meet the following requirements:

1. The modified version must be labeled as such.
2. The person making the modifications must be identified and the modifications dated.
3. Acknowledgement of the original author and publisher if applicable must be retained according to normal academic citation practices.
4. The location of the original unmodified document must be identified.
5. The original author’s (or authors’) name(s) may not be used to assert or imply endorsement of the resulting document without the original author’s (or authors’) permission.

V. GOOD-PRACTICE RECOMMENDATIONS

In addition to the requirements of this license, it is requested from and strongly recommended of redistributors that:

1. If you are distributing Open Publication works on hardcopy or CD-ROM, you provide email notification to the authors of your intent to redistribute at least thirty days before your manuscript or media freeze, to give the authors time to provide updated documents. This notification should describe modifications, if any, made to the document.
2. All substantive modifications (including deletions) be either clearly marked up in the document or else described in an attachment to the document.

Finally, while it is not mandatory under this license, it is considered good form to offer a free copy of any hardcopy and CD-ROM expression of an Open Publication-licensed work to its author(s).

VI. LICENSE OPTIONS

The author(s) and/or publisher of an Open Publication-licensed document may elect certain options by appending language to the reference to or copy of the license. These options are considered part of the license instance and must be included with the license (or its incorporation by reference) in derived works.
A. To prohibit distribution of substantively modified versions without the explicit permission of the author(s). "Substantive modification" is defined as a change to the semantic content of the document, and excludes mere changes in format or typographical corrections.

To accomplish this, add the phrase 'Distribution of substantively modified versions of this document is prohibited without the explicit permission of the copyright holder.' to the license reference or copy.

B. To prohibit any publication of this work or derivative works in whole or in part in standard (paper) book form for commercial purposes is prohibited unless prior permission is obtained from the copyright holder.

To accomplish this, add the phrase 'Distribution of the work or derivative of the work in any standard (paper) book form is prohibited unless prior permission is obtained from the copyright holder.' to the license reference or copy.

**OPEN PUBLICATION POLICY APPENDIX:**

(This is not considered part of the license.)

Open Publication works are available in source format via the Open Publication home page at http://works.opencontent.org/.

Open Publication authors who want to include their own license on Open Publication works may do so, as long as their terms are not more restrictive than the Open Publication license.

If you have questions about the Open Publication License, please contact TBD, and/or the Open Publication Authors’ List at opal@opencontent.org, via email.