

# Typesetting Articles For Online Journal *Philosophers' Imprint*\*

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## Abstract

This package provides a class for typesetting articles for the online journal *Philosophers' Imprint*, <http://www.philosophersimprint.org> using freely available fonts.

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# 1 Introduction

As said in its mission statement at <http://www.philosophersimprint.org>, “*Philosophers’ Imprint* is a refereed series of original papers in philosophy, edited by philosophy faculty at the University of Michigan, with the advice of an international Board of Editors, and published on the World Wide Web by the University of Michigan Digital Library. The mission of the Imprint is to promote a future in which funds currently spent on journal subscriptions are redirected to the dissemination of scholarship for free, via the Internet.” The journal used to accept manuscripts in Rich Text Format only. However, for many authors, especially from the field of logic, T<sub>E</sub>X seems to be a better choice. I was commissioned to write a L<sup>A</sup>T<sub>E</sub>X class for this journal.

The aim of the class is to help authors to typeset their own articles in the “Web-ready” format. We do not assume the authors have any commercial fonts installed on their machines. The class uses only freely available and freely distributed fonts. This presents some difficulties since the journal is usually typeset in Adobe Palatino. We use the Palladio and Pazo fonts and (for the title) Trajan font.

## 2 User Interface

### 2.1 Invocation and Options

To use the class put in the preamble of your document

```
\documentclass[options]{philosophersimprint}
```

The class is intended to be used with `pdflatex`. If you compile DVI output instead (for example, to use with `PSTricks`), the class generates a warning.

The class `philosophersimprint` internally loads `article`, and therefore all class options for `article` are technically valid. However, most of them are not especially meaningful for `philosophersimprint`. There are several options specific for this class. They are described below

|                           |  |
|---------------------------|--|
| <i>options</i>            | The editorial board of <i>Philosophers’ Imprint</i> prefers to typeset the titlepage                                   |
| <code>titleimage</code>   | itself and provide it as a PDF document to the authors. If you have such titlepage,                                    |
| <code>notitleimage</code> | use the <code>titleimage</code> option (default). Otherwise use the <code>notitleimage</code> option, and              |
|                           | the class will make a (half-hearted) attempt to create a simulated title page for                                      |
|                           | you. If <code>titleimage</code> option is chosen, but L <sup>A</sup> T <sub>E</sub> X cannot find the titlepage image, |
|                           | the class generates a warning and switches to the <code>notitleimage</code> behavior.                                  |

Note that even if you do have a titlepage image, you still need to invoke top matter macros `\title`, `\authors` etc. to supply information for running heads and PDF metadata (see Section 2.2).

|                            |  |
|----------------------------|--|
| <i>options</i>             | If the option <code>trajantitle</code> is chosen (default), a beautiful Trajan font [1] will |
| <code>trajantitle</code>   | be used to typeset the title of the paper. Of course, this option has an effect only         |
| <code>notrajantitle</code> | if <code>notitleimage</code> option is selected. Note that this font has no Arabic numbers,  |
|                            | so if your title needs numbers, use Roman numerals instead. If you do not have               |
|                            | <code>trajan.sty</code> on your system, the class will revert to Palatino in the title.      |

*options* By default the class uses `mathpazo` package with the options `sc` and `osf`. These options provide improved fonts with true small caps and old style figures (see [2]).

`nosc` If you have the recent PSNFSS fonts that include free FPL collection [3], you should not change this behavior. Otherwise you probably would be better off by upgrading. Only if you definitely cannot use these fonts, select the `nosc` and `noosf` options.

*options* The options `slantedGreek` and `noBBp1`, if present, are passed to `mathpazo` package. See [2] for the discussion of these options.

`slantedGreek`

`noBBp1`

## 2.2 Topmatter

Topmatter is the part of the article with the informations about the authors, their affiliations, the publication data, etc.

The standard L<sup>A</sup>T<sub>E</sub>X topmatter macros are insufficient for most journals, and many journal styles like `amsart` or `elsart` use their own more or less sophisticated conventions. Since the editorial board of *Philosophers' Imprint* prefers to provide its own title pages, we chose to implement a rather simple set of topmatter macros, sufficient to generate a sample title page, while expecting the official one.

Note that even if you do have the “official” title page, you still need to use these macros because they are used for running heads and for PDF metadata.

`\titleimage` The macro `\titleimage` has one argument: the name of the file with the official title page image:

```
\titleimage{\FileName}
```

for example, `\titleimage{1stpage.pdf}`. If the file is absent, the class issues a warning and tries to typeset a simulated page.

`\title` The `\title` command has two arguments: one mandatory argument and one optional:

```
\title[{\ShortTitle}]{\FullTitle}
```

The mandatory argument is the full title of the article. The optional argument, if present, sets the shorter version of the title for running heads. If the optional argument is absent, the full title is used instead.

`\author` The `\author` command also has two arguments with the similar meaning:

```
\author[{\ShortListOfAuthors}]{\FullListOfAuthors}
```

The optional argument is used for the running heads. If it is absent, the full list of authors is used there.

Separate multiple authors with commas. Do *not* use L<sup>A</sup>T<sub>E</sub>X command `\and`.

`\affiliation` The `\affiliation` command sets the affiliation of the authors:

```
\affiliation{\Affiliation}
```

Use `\` to separate different affiliations.

`\date` The command `\date` is similar to the standard L<sup>A</sup>T<sub>E</sub>X command. However, remember that the date format is different: “Month, year”, e.g.

`\date{April, 2007}`

It should be also noted that the date here is the date of publication.

`\journalvolume`  
`\journalnumber` The macros `\journalvolume` and `\journalnumber` set the volume and number of the journal where the article is published:

`\journalvolume{7}`  
`\journalnumber{4}`

You will receive these data from the editorial office once your article is accepted.

`\copyrightinfo` The macro `\copyrightinfo` is used to store the copyright date and copyright holder of the article, like

`\copyrightinfo{1724, Immanuel Kant}`

Note that the package does *not* try to deduce the copyright information from the date and author list. You need to set it explicitly.

`\subject` This macro, if present, sets the “Subject” field in the PDF metadata. For example:

`\subject{Ethics}`

`\keywords` The macro `\keywords` is similar to `\subject`, but accepts a comma separated list of keywords. If present, they will be used in the “Keywords” field of the PDF document.

## 2.3 Required and Recommended Software

To typeset articles for *Philosophers’ Imprint*, you need the proper fonts. PSNFSS version 9.2 or later [2] with URW and FPL fonts are recommended. It is easy to check whether you have these fonts: if you do not, then besides warnings in the log file, you will see headers and footers in lower case instead of correct small caps. Also, the numbers will be typeset with lining figures instead of old style numbers.

The class also uses packages `color` and `graphicx` from the graphics bundle [4] to typeset the title page.

Package `ifpdf` [5] is used to check whether PDF output is selected.

Package `fancyhdr` [6] is used to set up running headers and footers.

You need the packages above for the document written in `philosophersimprint` class to compile. The packages below are not strictly necessary, but highly recommended.

Package `hyperref` [7] is used to set up PDF metadata and make the links “clickable”. We did not include it in the list of required packages, because it prefers to be loaded last, and we wanted to give the user a chance to load her own packages. We recommend the following options:

```
\usepackage[breaklinks,colorlinks,linkcolor=black,citecolor=black,
             pagecolor=black,urlcolor=black]{hyperref}
```

See `sample.tex` for the example of the usage of this package.

The authors of *Philosophers' Imprint* use both bibliography at the end of the article and bibliographic references in footnotes. The packages `natbib` [8] and `opcit` [9] are recommended for formatting the bibliography with `BIBTEX`. However, these packages are *not* loaded by the class; it is the responsibility of the author to load and use them.

## 2.4 Configuration File

If the file `philosophersimprint.cfg` exists, it will be read by the class. It is a good place to put, for example, the default options.

## 2.5 Some Fine Points

The journal prefers the baselines of both columns to be aligned. This is a famous problem of “typesetting to a grid”. Generally speaking, this is not trivial in a `TEX` world (see a discussion of this problem in [10]). Normally, `TEX` stretches distances between the baselines to achieve homogeneous grayness of the page. It takes some effort to switch this behavior off.

This class deletes most of `TEX` vertical stretchability. If there is much mathematics in the copy it might lead to some really ugly results. However, when the texts are not too heavy on math, the class can do a decent job. Below we list some cases where it cannot, and some manual intervention is warranted (see [10] for a description of an automatic solution. Unfortunately, at the moment of writing this version, this solution was not available as a free software).

1. We add 3/4 baseline leading before section title and 1/4 baseline leading after. This means that if a section starts a column, the baselines will be different by 1/4. An insertion of `\vspace*{-0.25\baselineskip}` sometimes leads to acceptable results.
2. We add 1/2 baseline leading before and after structures like quotations, theorems, corollaries etc. If such structure is split between columns, this breaks alignment. Again, a manual intervention might help.
3. We do not try to control the vertical space of structures, added, for example, by `\includegraphics` commands.
4. Sometimes a displayed equation can lead to breaking alignment.

In most cases the amount of manual intervention necessary to achieve alignment is fairly small.

## 2.6 Acknowledgements

The author is grateful to John Horty, David Vellman and Victor Caston for their patience in describing the journal style.

### 3 Implementation

1 `\class`

#### 3.1 Options

```
\ifPHIM@titleimage Check whether we need the title image
2 \newif\ifPHIM@titleimage\PHIM@titleimagetrue
3 \DeclareOption{titleimage}{\PHIM@titleimagetrue}
4 \DeclareOption{notitleimage}{\PHIM@titleimagefalse}

\ifPHIM@trajantitle Check whether we need Trajan font for title
5 \newif\ifPHIM@trajantitle\PHIM@trajantitletrue
6 \DeclareOption{trajantitle}{\PHIM@trajantitletrue}
7 \DeclareOption{notrajantitle}{\PHIM@trajantitlefalse}

\ifPHIM@sc Do we need sc option for mathpazo?
8 \newif\ifPHIM@sc\PHIM@sctrue
9 \DeclareOption{nosc}{\PHIM@scfalse}

\ifPHIM@osf Same with osf option:
10 \newif\ifPHIM@osf\PHIM@osftrue
11 \DeclareOption{noosf}{\PHIM@osffalse}

Options specific for mathpazo:
12 \DeclareOption{slantedGreek}{%
13 \PassOptionsToPackage{\CurrentOption}{mathpazo}}
14 \DeclareOption{noBBp1}{%
15 \PassOptionsToPackage{\CurrentOption}{mathpazo}}
Everything else is probably an option for article
16 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
Reading configuration file:
17 \InputIfFileExists{philosophersimprint.cfg}{%
18 \ClassInfo{philosophersimprint}{%
19 Loading configuration file philosophersimprint.cfg}}{%
20 \ClassInfo{philosophersimprint}{%
21 Configuration file philosophersimprint.cfg is not found}}
Processing options
22 \ProcessOptions\relax
```

#### 3.2 Loading Classes and Packages

We are based on article:

```
23 \LoadClass[landscape,letterpaper,twocolumn]{article}
```

A bunch of packages:

```
24 \RequirePackage{ifpdf, color, graphicx, fancyhdr}
```

Font related packages.

```
25 \ifPHIM@sc\PassOptionsToPackage{sc}{mathpazo}\fi
26 \ifPHIM@osf\PassOptionsToPackage{osf}{mathpazo}\fi
27 \RequirePackage{mathpazo}
```

Palatino fonts do not have typewriter and sans serif fonts. Computer Modern seems to clash with Palatino, so we use Courier and Helvetica when necessary:

```
28 \RequirePackage{courier}
29 \RequirePackage[scaled]{helvet}
```

It is recommended in [2] to use these packages with PSNFSS:

```
30 \RequirePackage[T1]{fontenc}
31 \RequirePackage{textcomp}
```

Loading trajan

```
32 \ifPHIM@trajantitle
33 \IfFileExists{trajan.sty}{\RequirePackage{trajan}}{%
34 \ClassWarningNoLine{philosophersimprint}{%
35 *****\MessageBreak
36 * Trajan Fonts not found. Will \MessageBreak
37 * revert to Palatino in title.\MessageBreak
38 *****}%
39 \PHIM@trajantitlefalse}
40 \fi
```

`\ifPHIM@hyperref` We check whether the user loaded hyperref. This is delayed until all packages are loaded.

```
41 \newif\ifPHIM@hyperref
42 \AtBeginDocument{%
43 \@ifpackageloaded{hyperref}{%
44 \PHIM@hyperreftrue}{%
45 \ClassWarningNoLine{philosophersimprint}{%
46 *****\MessageBreak
47 * You did not load hyperref.\MessageBreak
48 * PDF-specific features will\MessageBreak
49 * not work.\MessageBreak
50 *****}%
51 \PHIM@hyperreffalse}}
```

### 3.3 Setting Up Dimensions

#### 3.3.1 Basic Length

`\PHIM@baselength` The design of *Philosopher's Imprint* is based on a uniform length scale

```
52 \newlength{\PHIM@baselength}
53 \setlength{\PHIM@baselength}{13.5pt}
```



### 3.3.2 Fonts

```
\normalsize This is basically from [11], but based on the journal requirements.
\small      54 \renewcommand\normalsize{\@setfontsize\normalsize{9.5pt}\PHIM@baselength}
\footnotesize 55 \renewcommand\small{\@setfontsize\small{9pt}{13.5pt}}
\scriptsize 56 \renewcommand\footnotesize{%
\tiny      57 \@setfontsize\footnotesize{8.5pt}{9.5pt}}
\large      58 \renewcommand\scriptsize{\@setfontsize\scriptsize{8pt}{9pt}}
\Large      59 \renewcommand\tiny{\@setfontsize\tiny{7.5pt}{8.5pt}}
\LARGE      60 \renewcommand\large{\@setfontsize\large{11pt}{16pt}}
\huge       61 \renewcommand\Large{\@setfontsize\Large{13pt}{19pt}}
\Huge       62 \renewcommand\LARGE{\@setfontsize\LARGE{16pt}{23pt}}
\HUGE       63 \renewcommand\huge{\@setfontsize\huge{19pt}{28pt}}
\HUGE       64 \renewcommand\Huge{\@setfontsize\Huge{23pt}{33pt}}
\HUGE       65 \newcommand\HUGE{\@setfontsize\Huge{30pt}{45pt}}
```

### 3.3.3 Paragraphing

```
\baselinestretch Again we use [11] a lot.
\parindent      66 \renewcommand\baselinestretch{}
\parskip        67 \setlength\parindent{\PHIM@baselength}
                68 \setlength\parskip{0pt}

\smallskipamount These are for additional leading. We define them to be multiples of the baseline
\medskipamount  69 \setlength\smallskipamount{0.25\PHIM@baselength}
\bigskipamount  70 \setlength\medskipamount{0.5\PHIM@baselength}
                71 \setlength\bigskipamount{\PHIM@baselength}
```

### 3.3.4 Page Dimensions and Type Area

This was inspired by memoir [12].

```
72 \ifpdf\relax
73 \pdfpageheight=\paperheight
74 \pdfpagewidth=\paperwidth
75 \ifdim\pdfvorigin=0pt\pdfvorigin=0pt\fi
76 \ifdim\pdfhorigin=0pt\pdfhorigin=0pt\fi
77 \else
78 \ClassWarningNoLine{philosophersimprint}{%
79 *****\MessageBreak
80 * The class is intended for \MessageBreak
81 * pdflatex. You seem to use\MessageBreak
82 * it with latex instead.\MessageBreak
83 *****}
84 \fi
```

This code is from [11], with the removing of vertical stretch based on [10]

```
85 \lineskiplimit = -3pt\relax
86 \lineskip = \PHIM@baselength\relax
87 \setlength\headsep {\PHIM@baselength}
```

```

88 \setlength\footskip {3\PHIM@baselength}
89 \setlength\topskip\PHIM@baselength
90 \setlength\textheight{459pt}
91 \setlength\topmargin{61pt}
92 \addtolength\topmargin{-1in}
93 \addtolength\topmargin{-\topskip}
94 \addtolength\topmargin{-\headsep}
95 \@settopoint\topmargin
96 \abovedisplayskip \PHIM@baselength\relax
97 \abovedisplaysshortskip \PHIM@baselength\relax
98 \belowdisplaysshortskip \PHIM@baselength\relax
99 \belowdisplayskip \abovedisplayskip\relax

```

`\PHIM@colwidth` We need to calculate the column width to center the headers:

```

100 \newlength{\PHIM@colwidth}
101 \setlength{\PHIM@colwidth}{297pt}
102 \setlength\columnsep{54pt}
103 \setlength\textwidth{\PHIM@colwidth}
104 \multiply\textwidth by 2\relax
105 \addtolength{\textwidth}{\columnsep}

```

### 3.3.5 Margins

`\marginparwidth` The vertical and horizontal distances for margin paragraphs:

```

\marginparsep 106 \setlength{\marginparwidth}{3\PHIM@baselength}
\marginparpush 107 \setlength{\marginparsep}{0.5\PHIM@baselength}
108 \setlength{\marginparpush}{0.5\PHIM@baselength}

```

`\evensidemargin` The side margins are 6 pica each.

```

\oddsidemargin 109 \setlength{\evensidemargin}{6pc}
110 \addtolength{\evensidemargin}{-1in}
111 \setlength{\oddsidemargin}{\evensidemargin}

```

### 3.3.6 Floats

`\floatsep` Some parameters for floats...

```

\textfloatsep 112 \setlength\floatsep\PHIM@baselength
\intextsep 113 \setlength\textfloatsep\PHIM@baselength
\textfloatsep 114 \setlength\intextsep\PHIM@baselength
\dblfloatsep 115 \setlength\dblfloatsep\PHIM@baselength
\dbltextfloatsep 116 \setlength\dbltextfloatsep\PHIM@baselength
\abovecaptionskip 117 \setlength\abovecaptionskip\PHIM@baselength
\belowcaptionskip 118 \setlength\belowcaptionskip{\z@}\relax

```

### 3.3.7 Lists

`\leftmargin` These lengths are for all lists.

```

\leftmargini 119 \setlength\leftmargini\PHIM@baselength
\leftmarginii
\leftmarginiii
\leftmarginiv
\leftmarginv
\leftmarginvi
\listparindent
\itemindent

```

```

120 \leftmargin\leftmargini
121 \setlength\leftmarginii\PHIM@baselength
122 \setlength\leftmarginiii\PHIM@baselength
123 \setlength\leftmarginiv\PHIM@baselength
124 \setlength\leftmarginv\PHIM@baselength
125 \setlength\leftmarginvi\PHIM@baselength
126 \setlength\listparindent\PHIM@baselength
127 \setlength\itemindent\PHIM@baselength

\labelsep Labels for all lists
\labelwidth 128 \setlength\labelsep{0.5em}
129 \setlength\labelwidth{\leftmargini}

\topsep These are for vertical spacing for lists
\partopsep 130 \setlength\topsep{0.5\PHIM@baselength}
\itemsep 131 \setlength\partopsep\z@
\parsep 132 \setlength\parsep\parskip
133 \setlength\itemsep\z@

\@listi These are for compatibility with article.cls
\@listI 134 \def\@listI{ }%
\@listii 135 \def\@listII{ }%
\@listiii 136 \def\@listIII{ }%
\@listiv 137 \def\@listIV{ }%
\@listv 138 \def\@listV{ }%
\@listvi 139 \def\@listVI{ }%
140 \def\@listvi{ }%

quote Does anybody use verses for philosophy papers?
quotation 141 \renewenvironment{verse}{\let\\\@centercr
verse 142 \list{}{\rightmargin\leftmargin}\item\relax}{\endlist}
143 \renewenvironment{quote}{ }%
144 \list{}{\rightmargin\leftmargin}\item\relax}{\endlist}
145 \renewenvironment{quotation}{ }%
146 \list{}{\rightmargin\leftmargin
147 \itemindent\parindent}\item\relax}{\endlist}

```

### 3.3.8 Odds and Ends

Some other lengths

```

\bigbndent Bibliography indentation
148 \setlength\bigbndent\PHIM@baselength

\jot This length is added between lines of eqnarray. People should not use this envi-
ronment. Still, let us define it.
149 \setlength\jot\z@

```

```

\arraycolsep These lengths should be based on the base length:
\tabcolsep 150 \setlength{\arraycolsep}{0.5\PHIM@baselength}
\fbboxsep 151 \setlength{\tabcolsep}{0.5\PHIM@baselength}
152 \setlength{\fbboxsep}{0.25\PHIM@baselength}

```

### 3.4 Top Matter Markup

We do not need `\thanks` and `\and`

```

153 \def\and{\unskip, %
154 \ClassError{philosophersimprint}{%
155 \Command \string\and\space is not defined for this class}{%
156 The authors for Philosophers' Imprint should be separated by
157 commas.\MessageBreak
158 I will convert your \string\and\space to comma and continue}}
159 \def\thanks#1{%
160 \ClassError{philosophersimprint}{%
161 \Command \string\thanks\space is not defined for this class}{%
162 Use \string\affiliation\space instead of \string\thanks.\MessageBreak
163 I will delete this command and its argument}}

```

`\title` Unlike standard L<sup>A</sup>T<sub>E</sub>X macro `\title`, ours has two arguments:

```

164 \def\title{\@ifnextchar[{\title@i}{\title@ii}}
165 \def\title@i[#1]#2{\gdef\shorttitle{#1}\gdef\@title{#2}}
166 \def\title@ii#1{\title@i[#1]{#1}}
167 \title{}

```

`\author` Same with `\author`:

```

168 \def\author{\@ifnextchar[{\author@i}{\author@ii}}
169 \def\author@i[#1]#2{\gdef\shortauthor{#1}\gdef\@author{#2}}
170 \def\author@ii#1{\author@i[#1]{#1}}
171 \author{}

```

`\@date` We have slightly different default date format than the standard class:

```

172 \def\today{\ifcase\month\or
173 January\or February\or March\or April\or May\or June\or
174 July\or August\or September\or October\or November\or
175 December\fi\space
176 \number\year}

```

`\titleimage` A bunch of one parameter macros

```

\affiliation 177 \newcommand*\titleimage[1]{\gdef\@titleimage{#1}}
\copyrightinfo 178 \titleimage{}
\subject 179 \newcommand*\affiliation[1]{\gdef\@affiliation{#1}}
\keywords 180 \affiliation{}
181 \newcommand*\copyrightinfo[1]{\gdef\@copyrightinfo{#1}}
182 \copyrightinfo{}
183 \newcommand*\subject[1]{\gdef\@subject{#1}}
184 \subject{}
185 \newcommand*\keywords[1]{\gdef\@keywords{#1}}

```

```
186 \keywords{}
```

Some games with the numbers

`\PHIM@addzeros` The macro `\PHIM@addzeros` takes the argument and adds leading zeros to make exactly 3 digits, and puts it into the second argument.

```
187 \def\PHIM@addzeros#1#2{\@tempcnta=#1\relax
188 \edef#2{%
189 \ifnum\@tempcnta>99
190 \the\@tempcnta
191 \else
192 \ifnum\@tempcnta>9
193 0\the\@tempcnta
194 \else
195 00\the\@tempcnta
196 \fi
197 \fi}}
```

`\journalnumber` We keep two copies of the journal number: one with zeros, one without

```
198 \newcommand*\journalnumber[1]{%
199 \gdef\@journalnumber{#1}%
200 \PHIM@addzeros{\@journalnumber}{\@journalnumber}}
201 \journalnumber{999}
```

`\journalvolume` We keep two copies of the journal volume: one with zeros, one without

```
202 \newcommand*\journalvolume[1]{%
203 \gdef\@journalvolume{#1}%
204 \PHIM@addzeros{\@journalvolume}{\@journalvolume}}
205 \journalvolume{999}
```

### 3.5 Headers & Footers

```
206 \pagestyle{fancy}
207 \lhead{\makebox[\PHIM@colwidth]{\centering\scshape\large
208 \MakeLowercase{\@shortauthor}}}
209 \chead{}
210 \rhead{\makebox[\PHIM@colwidth]{\centering\itshape\large\@shorttitle}}
211 \lfoot{\scshape\large philosophers' imprint}
212 \cfoot{-\space\large\thepage\space-}
213 \rfoot{\scshape\large vol.~\@journalvolume, no.~\@journalnumber\quad%
214 (\MakeLowercase{\@date})}
215 \renewcommand{\headrulewidth}{0pt}
216 \renewcommand{\footrulewidth}{0pt}
```

### 3.6 Making Title Page

`\maketitle` Our `\maketitle` is completely different from the standard one. First, we set up the PDF information, and then check which of the variants of title page to use.

```
217 \def\maketitle{%
218 \thispagestyle{empty}
```

```

219 \ifPHIM@hyperref\relax
220   \hypersetup{pdfauthor=@author, pdftitle=@title, %
221     pdfsubject=@subject, pdfkeywords=@keywords}
222   \fi
223 \ifPHIM@titleimage\relax
224   \maketitle@image
225 \else
226   \maketitle@simulated
227 \fi
228 \newpage}

```

\maketitle@image Here we add the image if it exists.

```

229 \def\maketitle@image{%
230   \IfFileExists{@titleimage}{%
231     \begin{picture}(0,0)%
232       \setlength{unitlength}{1pt}%
233       \put(-6,6){\makebox(0,0)[lt]{\includegraphics{@titleimage}}}%
234     \end{picture}}{%
235   \ClassWarningNoLine{philosophersimprint}{%
236     *****\MessageBreak
237     * Cannot find title image \MessageBreak
238     * \@titleimage.\MessageBreak
239     * Switching to simulated title.\MessageBreak
240     *****}
241   \maketitle@simulated}}

```

\maketitle@simulated Simulated page should look more or less like the real one.

```

242 \def\maketitle@simulated{%
243   {\centering
244     \parbox{2in}{\textcolor{PHIM@blue}{%
245       \hspace{1.4em}\fontsize{10pt}{11}\selectfont Philosophers'}\[-1.4ex]%
246     \textcolor{PHIM@gray}{\fontsize{34pt}{25}\selectfont Imprint}}
247   \hfill
248   \parbox{2in}{
249     \begin{flushright}
250       \scshape\large
251       volume \@journalvolume, no.~\@journalnumber\[[0.2ex]
252       \MakeLowercase{\@date}
253     \end{flushright}}%
254   \par
255   \vskip 0pt plus 0.3fill\relax
256   {\ifPHIM@trajantitle\trjnfamily\fi
257     \HUGE\selectfont\MakeUppercase{@title}\par}%
258   \vskip 0pt plus 0.4fill\relax
259   {\huge\itshape\@author\par}%
260   \vskip 0pt plus 0.15fill\relax
261   {\large\itshape\@affiliation\par}%
262   \vskip 0pt plus 0.2fill\relax
263   {\ifx\@copyrightinfo\@empty~\else%
264     \copyright\space\@copyrightinfo\fi\[[0.3ex]

```

```

265         \itshape
266     \edef\PHIM@url{%
267         www.philosophersimprint.org/\@@journalvolume/\@@journalnumber}
268     \ifPHIM@hyperref\relax
269         \href{http://\PHIM@url}{\textcolor{black}{
270             \textless \PHIM@url\textgreater}}}%
271     \else
272         \textless \PHIM@url\textgreater
273     \fi
274     \vskip 0pt plus 0.2fill\relax
275     \par}%
276 }}%

```

Some colors for the title page:

```

277 \definecolor{PHIM@blue}{rgb}{0.184, 0.431, 0.7749}%
278 \definecolor{PHIM@gray}{gray}{0.549}%

```

### 3.7 Sectioning

We redefine the sectioning commands from the standard article to make this according to the journal requirements.

`\ifPHIM@appendix` The journal wants to format appendix as “Appendix A. Name”. Therefore we need to know whether we are in appendix mode.

```

279 \newif\ifPHIM@appendix\PHIM@appendixfalse

```

`\section` The journal wants the dot after section number. Besides, to synchronize lines, we want to skip 3/4 line before the section head even if we start a new column.

```

280 \renewcommand\section{\par
281     \addpenalty\@secpenalty\nobreak
282     \addvspace{0.75\PHIM@baselength}
283     \@afterindentfalse
284     \secdef\@section\@ssection}%

```

`\@section` This is the actual formatting when we have an unstarred form.

```

285 \def\@section[#1]#2{%
286     \ifnum\c@secnumdepth>0\relax
287         \refstepcounter{section}%
288         \addcontentsline{toc}{section}{\ifPHIM@appendix\appendixname\space\fi
289             \thesection.\quad#1}%
290     \else
291         \addcontentsline{toc}{section}{#1}%
292     \fi
293     {\noindent\raggedright\interlinepenalty\@M
294         \normalsize\bfseries
295         \ifnum\c@secnumdepth>0\relax
296             \ifPHIM@appendix\appendixname\space\fi\thesection.\quad #2
297         \else
298             #2

```

```

299 \fi}%
300 \vspace*{0.25\PHIM@baselength}%
301 \@afterheading
302 \nobreak\par}

```

`\@ssection` This is the actual formatting for the starred section

```

303 \def\@ssection#1{%
304   {\noindent\raggedright\interlinepenalty\@M
305    \normalsize\bfseries #1}%
306   \vspace*{0.25\PHIM@baselength}%
307   \@afterheading
308   \nobreak\par}

```

`\subsection` All other command can use standard technique. Since the lengths in `@startsection` double as switches, we use  $\pm 1\text{sp}$  as effective zero.

```

\@paragraph 309 \renewcommand\subsection{\@startsection{subsection}{2}{\z0}%
\subparagraph 310                  {-\PHIM@baselength}%
311                  {1sp}%
312                  {\normalfont\normalsize\itshape}}
313 \renewcommand\subsubsection{\@startsection{subsubsection}{3}{\z0}%
314                  {-1sp}%
315                  {1sp}%
316                  {\normalfont\normalsize\itshape}}
317 \renewcommand\paragraph{\@startsection{paragraph}{4}{\z0}%
318                  {1sp}%
319                  {-1sp}%
320                  {\normalfont\normalsize}}
321 \renewcommand\subparagraph{\@startsection{subparagraph}{5}{\parindent}%
322                  {1sp}%
323                  {-1sp}%
324                  {\normalfont\normalsize}}

```

`\appendix` The only difference from the command `\appendix` in [11] is that here we switch on the flag:

```

325 \renewcommand\appendix{\par
326   \PHIM@appendixtrue
327   \setcounter{section}{0}%
328   \setcounter{subsection}{0}%
329   \gdef\thesection{\@Alph@c@section}}

```

### 3.8 Footnotes

`\@makfntext` The journal prefers footnotes with text footnote marks and hanging indentation

```

330 \renewcommand\@makefntext[1]{%
331   \noindent\hangindent=\PHIM@baselength\hangafter=1\relax
332   \makebox[\PHIM@baselength][1]{\@thefnmark.#1}

```

`\footnotesep` We set it just to strut

```

333 \settoheight{\footnotesep}{\footnotesize\strut}

```



```
\footins This the space between the last line of the text and top of footnotes
334 \setlength{\skip\footins}{13.5pt plus 1fill}
```

### **3.9 The Last Words**

The editors want French spacing

```
335 \normalsize
336 \frenchspacing
337 </class>
```

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# Change History

|      |  |   |    |
|------|--|---|----|
| v.08 |  | \subsection: Changed formatting                             | 16 |
|      | \ifPHIM@trajantitle: Added Trajan font for title           | \subsubsection: Changed formatting                          | 16 |
| v0.5 |  | v0.8  |    |
|      | General: First fully functional version                    | \@section: Added appendix name                              | 15 |
|      | \maketitle@simulated: Moved URL def outside hyperref check | Added par   | 15 |
|      | \PHIM@addzeros: Corrected documentation                    | \@ssection: Added par                                       | 16 |
| v0.6 |  | \appendix: Redefined the macro                              | 16 |
|      | General: Headers are now centered                          | \bigskipamount: Defined the lengths                         | 9  |
|      | \PHIM@colwidth: Introduced the macro                       | \evensidemargin: Added definition                           | 10 |
| v0.7 |  | \footnotesize: Changed dimensions                           | 9  |
|      | \@makfntext: Introduced new footnote formatting            | \HUGE: Changed dimensions                                   | 9  |
|      | General: Changed values for float parameters               | \Huge: Changed dimensions                                   | 9  |
|      | Changed values for lists                                   | \huge: Changed dimensions                                   | 9  |
|      | Changed vertical stretching                                | \ifPHIM@appendix: Introduced macro                          | 15 |
|      | Introduced fonts dimensions                                | \LARGE: Changed dimensions                                  | 9  |
|      | Rewrote documentation                                      | \Large: Changed dimensions                                  | 9  |
|      | \bibindent: Changed value                                  | \large: Changed dimensions                                  | 9  |
|      | \footins: Changed value                                    | \marginparpush: Added macro                                 | 10 |
|      | \footnotesep: Changed value                                | \marginparsep: Added definition                             | 10 |
|      | \jot: Changed value  | \marginparwidth: Added definition                           | 10 |
|      | \maketitle@simulated: Changed lengths and fonts            | \normalsize: Changed dimensions                             | 9  |
|      | \paragraph: Changed formatting                             | \oddsidemargin: Added definition                            | 10 |
|      | \parindent: Defined to the journal requirements            | \scriptsize: Changed dimensions                             | 9  |
|      | \PHIM@baselength: Introduced the macro                     | \small: Changed dimensions                                  | 9  |
|      | \PHIM@colwidth: Made the base of calculations              | \tiny: Changed dimensions                                   | 9  |
|      | \section: Changed formatting for section                   | v0.9  |    |
|      | \subparagraph: Changed formatting                          | General: Added French Spacing                               | 17 |
|      |  | \footins: It is now stretchable                             | 17 |
|      |  | \maketitle@image: Changed formatting                        | 14 |
|      |  | v1.0  |    |
|      |  | General: Public release                                     | 1  |
|      |  | Renamed files. Added reference to the package in sample.tex | 1  |

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