

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

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2011/11/25, v1.1

## 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 pdf<sub>l</sub>at<sub>e</sub>x. If you compile DVI output instead (for example, to use with P<sub>S</sub>Tricks), 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> <b>titleimage</b> <b>notitleimage</b>	The editorial board of <i>Philosophers’ Imprint</i> prefers to typeset the titlepage itself and provide it as a PDF document to the authors. If you have such titlepage, use the <b>titleimage</b> option (default). Otherwise use the <b>notitleimage</b> option, and the class will make a (half-hearted) attempt to create a simulated title page for you. If <b>titleimage</b> 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 <b>notitleimage</b> 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> <b>trajantitle</b> <b>notrajantitle</b>	If the option <b>trajantitle</b> is chosen (default), a beautiful Trajan font [1] will be used to typeset the title of the paper. Of course, this option has an effect only if <b>notitleimage</b> 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.

	<code>\date{April, 2007}</code>
	It should be also noted that the date here is the date of publication.
<code>\journalvolume</code> <code>\journalnumber</code>	The macros <code>\journalvolume</code> and <code>\journalnumber</code> set the volume and number of the journal where the article is published:
	<code>\journalvolume{7}</code> <code>\journalnumber{4}</code>
<code>\copyrightinfo</code>	You will receive these data from the editorial office once your article is accepted. The macro <code>\copyrightinfo</code> is used to store the copyright date and copyright holder of the article, like
	<code>\copyrightinfo{1724, Immanuel Kant}</code>
	Note that the package does <i>not</i> try to deduce the copyright information from the date and author list. You need to set it explicitly.
<code>\subject</code>	This macro, if present, sets the “Subject” field in the PDF metadata. For example:
	<code>\subject{Ethics}</code>
<code>\keywords</code>	The macro <code>\keywords</code> is similar to <code>\subject</code> , 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 Velleman and Victor Caston for their patience in describing the journal style.

### 3 Implementation

1  $\langle$ \*class $\rangle$

#### 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{nottrajantitle}{\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 microtype:

```
32 \IfFileExists{microtype.sty}{\RequirePackage{microtype}}{%
33   \ClassWarningNoLine{philosophersimprint}{%
34     *****\MessageBreak
35     * Microtype package not found. * \MessageBreak
36     * This package improves the * \MessageBreak
37     * typesetting quality. You may * \MessageBreak
38     * wish to upgrade your system. * \MessageBreak
39     *****}}
```

Loading trajan

```
40 \ifPHIM@trajantitle
41   \IfFileExists{trajan.sty}{\RequirePackage{trajan}}{%
42     \ClassWarningNoLine{philosophersimprint}{%
43       *****\MessageBreak
44       * Trajan Fonts not found. Will \MessageBreak
45       * revert to Palatino in title.\MessageBreak
46       *****}%
47   \PHIM@trajantitlefalse}
48 \fi
```

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

```
49 \newif\ifPHIM@hyperref
50 \AtBeginDocument{%
51   \@ifpackageloaded{hyperref}{%
52     \PHIM@hyperreftrue{%
53       \ClassWarningNoLine{philosophersimprint}{%
54         *****\MessageBreak
55         * You did not load hyperref.\MessageBreak
56         * PDF-specific features will\MessageBreak
57         * not work.\MessageBreak
58         *****}%
59     \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

```
60 \newlength{\PHIM@baselength}
61 \setlength{\PHIM@baselength}{13.5pt}
```

#### 3.3.2 Fonts

`\normalsize` This is basically from [11], but based on the journal requirements.

```
\small 62 \renewcommand\normalsize{\@setfontsize\normalsize{9.5pt}\PHIM@baselength}
\footnotesize 63 \renewcommand\small{\@setfontsize\small{9pt}{13.5pt}}
\scriptsize 64 \renewcommand\footnotesize{%
\tiny 65 \@setfontsize\footnotesize{8.5pt}{9.5pt}}
\large 66 \renewcommand\scriptsize{\@setfontsize\scriptsize{8pt}{9pt}}
\LARGE 67 \renewcommand\tiny{\@setfontsize\tiny{7.5pt}{8.5pt}}
\huge 68 \renewcommand\large{\@setfontsize\large{11pt}{16pt}}
\Huge 69 \renewcommand\LARGE{\@setfontsize\LARGE{13pt}{19pt}}
70 \renewcommand\huge{\@setfontsize\huge{19pt}{28pt}}
71 \renewcommand\huge{\@setfontsize\huge{19pt}{28pt}}
72 \renewcommand\Huge{\@setfontsize\Huge{23pt}{33pt}}
73 \newcommand\HUGE{\@setfontsize\Huge{30pt}{45pt}}
```

#### 3.3.3 Paragraphing

`\baselinestretch` Again we use [11] a lot.

```
\parindent 74 \renewcommand\baselinestretch{}
\parskip 75 \setlength\parindent{\PHIM@baselength}
76 \setlength\parskip{0pt}
```

`\smallskipamount` These are for additional leading. We define them to be multiples of the baseline

```
\medskipamount 77 \setlength\smallskipamount{0.25\PHIM@baselength}
\bigskipamount 78 \setlength\medskipamount{0.5\PHIM@baselength}
79 \setlength\bigskipamount{\PHIM@baselength}
```

#### 3.3.4 Page Dimensions and Type Area

This was inspired by memoir [12].

```
80 \ifpdf\relax
81 \pdfpageheight=\paperheight
82 \pdfpagewidth=\paperwidth
83 \ifdim\pdfvorigin=0pt\pdfvorigin=0pt\fi
84 \ifdim\pdfhorigin=0pt\pdfhorigin=0pt\fi
85 \else
86 \ClassWarningNoLine{philosophersimprint}{%
87 *****\MessageBreak
88 * The class is intended for \MessageBreak
89 * pdflatex. You seem to use\MessageBreak
```

```

90      * it with latex instead.\MessageBreak
91      *****}
92 \fi

```

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

```

93 \lineskiplimit = -3pt\relax
94 \lineskip = \PHIM@baselength\relax
95 \setlength\headsep {\PHIM@baselength}
96 \setlength\footskip {3\PHIM@baselength}
97 \setlength\topskip\PHIM@baselength
98 \setlength\textheight{459pt}
99 \setlength\topmargin{61pt}
100 \addtolength\topmargin{-1in}
101 \addtolength\topmargin{-\topskip}
102 \addtolength\topmargin{-\headsep}
103 \@settopoint\topmargin
104 \abovedisplayskip \PHIM@baselength\relax
105 \abovedisplaysshortskip \PHIM@baselength\relax
106 \belowdisplaysshortskip \PHIM@baselength\relax
107 \belowdisplayskip \abovedisplayskip\relax

```

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

```

108 \newlength{\PHIM@colwidth}
109 \setlength{\PHIM@colwidth}{297pt}
110 \setlength\columnsep{54pt}
111 \setlength\textwidth{\PHIM@colwidth}
112 \multiply\textwidth by 2\relax
113 \addtolength{\textwidth}{\columnsep}

```

### 3.3.5 Margins

\marginparwidth The vertical and horizontal distances for margin paragraphs:

```

\marginparsep 114 \setlength{\marginparwidth}{3\PHIM@baselength}
\marginparpush 115 \setlength{\marginparsep}{0.5\PHIM@baselength}
116 \setlength{\marginparpush}{0.5\PHIM@baselength}

```

\evensidemargin The side margins are 6 pica each.

```

\oddsidemargin 117 \setlength{\evensidemargin}{6pc}
118 \addtolength{\evensidemargin}{-1in}
119 \setlength{\oddsidemargin}{\evensidemargin}

```

### 3.3.6 Floats

\floatsep Some parameters for floats...

```

\textfloatsep 120 \setlength\floatsep\PHIM@baselength
\intextsep 121 \setlength\textfloatsep\PHIM@baselength
\textfloatsep 122 \setlength\intextsep\PHIM@baselength
\dblfloatsep 123 \setlength\dblfloatsep\PHIM@baselength
\dbltextfloatsep 124 \setlength\dbltextfloatsep\PHIM@baselength
\abovecaptionskip
\belowcaptionskip

```

```

125 \setlength\abovecaptionskip\PHIM@baselength
126 \setlength\belowcaptionskip{\z@}\relax

```

### 3.3.7 Lists

```

\leftmargin These lengths are for all lists.
\leftmargini 127 \setlength\leftmargini\PHIM@baselength
\leftmarginii 128 \leftmargin\leftmargini
\leftmarginiii 129 \setlength\leftmarginiii\PHIM@baselength
\leftmarginiv 130 \setlength\leftmarginiv\PHIM@baselength
\leftmarginv 131 \setlength\leftmarginv\PHIM@baselength
\leftmarginvi 132 \setlength\leftmarginvi\PHIM@baselength
\listparindent 133 \setlength\listparindent\PHIM@baselength
\itemindent 134 \setlength\itemindent\PHIM@baselength
135 \setlength\itemindent\PHIM@baselength

\labelsep Labels for all lists
\labelwidth 136 \setlength\labelsep{0.5em}
137 \setlength\labelwidth{\leftmargini}

\topsep These are for vertical spacing for lists
\partopsep 138 \setlength\topsep{0.5\PHIM@baselength}
\itemsep 139 \setlength\partopsep\z@
\parsep 140 \setlength\parsep\parskip
141 \setlength\itemsep\z@

\@listi These are for compatibility with article.cls
\@listI 142 \def\@listI{}\%
\@listii 143 \def\@listII{}\%
\@listiii 144 \def\@listIII{}\%
\@listiv 145 \def\@listIV{}\%
\@listv 146 \def\@listV{}\%
\@listvi 147 \def\@listVI{}\%
148 \def\@listvi{}\%

quote Does anybody use verses for philosophy papers?
quotation 149 \renewenvironment{verse}{\let\\\@centercr
verse 150 \list{}\{\rightmargin\leftmargin\}\item\relax}\{\endlist}
151 \renewenvironment{quote}{\%
152 \list{}\{\rightmargin\leftmargin\}\item\relax}\{\endlist}
153 \renewenvironment{quotation}{\%
154 \list{}\{\rightmargin\leftmargin
155 \itemindent\parindent\}\item\relax}\{\endlist}

```

### 3.3.8 Odds and Ends

Some other lengths

```

\bibndent Bibliography indentation
156 \setlength\bibindent\PHIM@baselength

```

```

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

\arraycolsep These lengths should be based on the base length:
\tabcolsep 158 \setlength{\arraycolsep}{0.5\PHIM@baselength}
\fbboxsep 159 \setlength{\tabcolsep}{0.5\PHIM@baselength}
160 \setlength{\fbboxsep}{0.25\PHIM@baselength}

```

### 3.4 Top Matter Markup

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

```

161 \def\and{\unskip, %
162   \ClassError{philosophersimprint}{%
163     Command \string\and\space is not defined for this class}{%
164     The authors for Philosophers' Imprint should be separated by
165     commas.\MessageBreak
166     I will convert your \string\and\space to comma and continue}}
167 \def\thanks#1{%
168   \ClassError{philosophersimprint}{%
169     Command \string\thanks\space is not defined for this class}{%
170     Use \string\affiliation\space instead of \string\thanks.\MessageBreak
171     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:

```

172 \def\title{\@ifnextchar[{\title@i}{\title@ii}}
173 \def\title@i[#1]#2{\gdef\shorttitle{#1}\gdef\@title{#2}}
174 \def\title@ii#1{\title@i[#1]{#1}}
175 \title{}

```

`\author` Same with `\author`:

```

176 \def\author{\@ifnextchar[{\author@i}{\author@ii}}
177 \def\author@i[#1]#2{\gdef\shortauthor{#1}\gdef\@author{#2}}
178 \def\author@ii#1{\author@i[#1]{#1}}
179 \author{}

```

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

```

180 \def\today{\ifcase\month\or
181   January\or February\or March\or April\or May\or June\or
182   July\or August\or September\or October\or November\or
183   December\fi\space
184   \number\year}

```

`\titleimage` A bunch of one parameter macros

```

\affiliation 185 \newcommand*{\titleimage}[1]{\gdef\@titleimage{#1}}
\copyrightinfo 186 \titleimage{}
\subject 187 \newcommand*{\affiliation}[1]{\gdef\@affiliation{#1}}
\keywords 188 \affiliation{}

```

```

189 \newcommand*{\copyrightinfo}[1]{\gdef\@copyrightinfo{#1}}
190 \copyrightinfo{}
191 \newcommand*{\subject}[1]{\gdef\@subject{#1}}
192 \subject{}
193 \newcommand*{\keywords}[1]{\gdef\@keywords{#1}}
194 \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.

```

195 \def\PHIM@addzeros#1#2{\@tempcnta=#1\relax
196   \edef#2{%
197     \ifnum\@tempcnta>99
198       \the\@tempcnta
199     \else
200       \ifnum\@tempcnta>9
201         0\the\@tempcnta
202       \else
203         00\the\@tempcnta
204       \fi
205     \fi}}

```

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

```

206 \newcommand*{\journalnumber}[1]{%
207   \gdef\@journalnumber{#1}%
208   \PHIM@addzeros{\@journalnumber}{\@@journalnumber}}
209 \journalnumber{999}

```

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

```

210 \newcommand*{\journalvolume}[1]{%
211   \gdef\@journalvolume{#1}%
212   \PHIM@addzeros{\@journalvolume}{\@@journalvolume}}
213 \journalvolume{999}

```

### 3.5 Headers & Footers

```

214 \pagestyle{fancy}
215 \lhead{\makebox[\PHIM@colwidth]{\centering\scshape\large
216   \MakeLowercase{\@shortauthor}}}
217 \chead{}
218 \rhead{\makebox[\PHIM@colwidth]{\centering\itshape\large\@shorttitle}}
219 \lfoot{\scshape\large philosophers' imprint}
220 \cfoot{-\space\large\thepage\space-}
221 \rfoot{\scshape\large vol.\~\@journalvolume, no.\~\@journalnumber\quad%
222   (\MakeLowercase{\@date})}
223 \renewcommand{\headrulewidth}{0pt}
224 \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.

```

225 \def\maketitle{%
226   \thispagestyle{empty}
227   \ifPHIM@hyperref\relax
228     \hypersetup{pdfauthor=\@author, pdftitle=\@title, %
229       pdfsubject=\@subject, pdfkeywords=\@keywords}
230   \fi
231   \ifPHIM@titleimage\relax
232     \maketitle@image
233   \else
234     \maketitle@simulated
235   \fi
236   \newpage}

```

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

```

237 \def\maketitle@image{%
238   \IfFileExists{\@titleimage}{%
239     \begin{picture}(0,0)%
240       \setlength{\unitlength}{1pt}%
241       \put(-6,6){\makebox(0,0)[lt]{\includegraphics{\@titleimage}}}%
242     \end{picture}}{%
243   \ClassWarningNoLine{philosophersimprint}{%
244     *****\MessageBreak
245     * Cannot find title image \MessageBreak
246     * \@titleimage.\MessageBreak
247     * Switching to simulated title.\MessageBreak
248     *****}
249   \maketitle@simulated}}

```

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

```

250 \def\maketitle@simulated{%
251   {\centering
252     \parbox{2in}{\textcolor{PHIM@blue}{%
253       \hspace{1.4em}\fontsize{10pt}{11}\selectfont Philosophers'}\[-1.4ex]%
254     \textcolor{PHIM@gray}{\fontsize{34pt}{25}\selectfont Imprint}}
255   \hfill
256   \parbox{2in}{
257     \begin{flushright}
258       \scshape\large
259       volume \@journalvolume, no.\~\@journalnumber\[\[0.2ex]
260       \MakeLowercase{\@date}
261     \end{flushright}}%
262   \par
263   \vskip 0pt plus 0.3fill\relax
264   {\ifPHIM@trajantitle\trjnfamily\fi
265     \HUGE\selectfont\MakeUppercase{\@title}\par}%
266   \vskip 0pt plus 0.4fill\relax

```

```

267     {\huge\itshape\@author\par}%
268     \vskip 0pt plus 0.15fill\relax
269     {\large\itshape\@affiliation\par}%
270     \vskip 0pt plus 0.2fill\relax
271     {\ifx\@copyrightinfo\@empty~\else%
272         \copyright\space\@copyrightinfo\fi\\[0.3ex]
273         \itshape
274         \edef\PHIM@url{%
275             www.philosophersimprint.org/\@@journalvolume\@@journalnumber}
276         \ifPHIM@hyperref\relax
277             \href{http://\PHIM@url}{\textcolor{black}{%
278                 \textless \PHIM@url\textgreater}}}%
279         \else
280             \textless \PHIM@url\textgreater
281         \fi
282         \vskip 0pt plus 0.2fill\relax
283         \par}%
284     }}%

```

Some colors for the title page:

```

285 \definecolor{PHIM@blue}{rgb}{0.184, 0.431, 0.7749}%
286 \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.
287 \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.
288 \renewcommand\section{\par
289     \addpenalty\@secpenalty\nobreak
290     \addvspace{0.75\PHIM@baselength}
291     \@afterindentfalse
292     \secdef\@section\@ssection}%

\@section This is the actual formatting when we have an unstarred form.
293 \def\@section[#1]#2{%
294     \ifnum\c@secnumdepth>0\relax
295         \refstepcounter{section}%
296         \addcontentsline{toc}{section}{\ifPHIM@appendix\appendixname\space\fi
297             \thesection.\quad#1}%
298     \else
299         \addcontentsline{toc}{section}{#1}%
300     \fi

```

```

301 {\noindent\raggedright\interlinepenalty\@M
302 \normalsize\bfseries
303 \ifnum\c@secnumdepth>0\relax
304 \ifPHIM@appendix\appendixname\space\fi\thesection.\quad #2
305 \else
306 #2
307 \fi}%
308 \vspace*{0.25\PHIM@baselength}%
309 \@afterheading
310 \nobreak\par}

\@ssection This is the actual formatting for the starred section
311 \def\@ssection#1{%
312 {\noindent\raggedright\interlinepenalty\@M
313 \normalsize\bfseries #1}%
314 \vspace*{0.25\PHIM@baselength}%
315 \@afterheading
316 \nobreak\par}

\subsection All other command can use standard technique. Since the lengths in \@startsection
\subsubsection double as switches, we use  $\pm 1\text{sp}$  as effective zero.
\paragraph 317 \renewcommand\subsection{\@startsection{subsection}{2}{\z@}%
\subparagraph 318 {-\PHIM@baselength}%
319 {1sp}%
320 {\normalfont\normalsize\itshape}}
321 \renewcommand\subsubsection{\@startsection{subsubsection}{3}{\z@}%
322 {-1sp}%
323 {1sp}%
324 {\normalfont\normalsize\itshape}}
325 \renewcommand\paragraph{\@startsection{paragraph}{4}{\z@}%
326 {1sp}%
327 {-1sp}%
328 {\normalfont\normalsize}}
329 \renewcommand\subparagraph{\@startsection{subparagraph}{5}{\parindent}%
330 {1sp}%
331 {-1sp}%
332 {\normalfont\normalsize}}

\appendix The only difference from the command \appendix in [11] is that here we switch
on the flag:
333 \renewcommand\appendix{\par
334 \PHIM@appendixtrue
335 \setcounter{section}{0}%
336 \setcounter{subsection}{0}%
337 \gdef\thesection{\@Alph\c@section}}

```

### 3.8 Footnotes

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



```

338 \renewcommand\@makefnmark[1]{%
339   \bgroup
340   \parindent2\PHIM@baselength\relax
341   \everypar{\hangindent=\PHIM@baselength\hangafter=1}%
342   \noindent
343   \makebox[\PHIM@baselength][1]{\@thefnmark.#1\egroup}

\footnotesep We set it just to strut
344 \settoheight{\footnotesep}{\footnotesize\strut}

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

\interfootnotepenalty We allow footnotes to be split between pages:
346 \interfootnotelinepenalty=0

```

### 3.9 The Last Words

The editors want French spacing

```

347 \normalsize
348 \frenchspacing
349 </class>

```

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# Change History

v.08		v0.8	
\ifPHIM@trajantitle: Added Tra-		\@section: Added appendix name	15
jan font for title	7	Added par	15
v0.5		\@ssection: Added par	16
General: First fully functional ver-		\appendix: Redefined the macro	16
sion	1	\bigskipamount: Defined the	
\maketitle@simulated: Moved		lengths	9
URL def outside hyperref check	14	\evensidemargin: Added defini-	
\PHIM@addzeros: Corrected docu-		tion	10
mentation	13	\footnotesize: Changed dimen-	
v0.6		sions	9
General: Headers are now centered	14	\HUGE: Changed dimensions	9
\PHIM@colwidth: Introduced the		\Huge: Changed dimensions	9
macro	10	\huge: Changed dimensions	9
v0.7		\ifPHIM@appendix: Introduced	
\@makfntext: Introduced new foot-		macro	15
note formatting	16	\LARGE: Changed dimensions	9
General: Changed values for float		\Large: Changed dimensions	9
parameters	10	\large: Changed dimensions	9
Changed values for lists	11	\marginparpush: Added macro	10
Changed vertical stretching	10	\marginparsep: Added definition	10
Introduced fonts dimensions	9	\marginparwidth: Added defini-	
Rewrote documentation	1	tion	10
\bibindent: Changed value	11	\normalsize: Changed dimensions	9
\footins: Changed value	17	\oddsidemargin: Added definition	10
\footnotesep: Changed value	17	\scriptsize: Changed dimensions	9
\jot: Changed value	12	\small: Changed dimensions	9
\maketitle@simulated: Changed		\tiny: Changed dimensions	9
lengths and fonts	14	v0.9	
\paragraph: Changed formatting	16	General: Added French Spacing	17
\parindent: Defined to the journal		\footins: It is now stretchable	17
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\PHIM@baselength: Introduced the		matting	14
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\PHIM@colwidth: Made the base of		General: Public release	1
calculations	10	Renamed files. Added reference	
\section: Changed formatting for		to the package in sample.tex	1
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\subparagraph: Changed format-		\@makfntext: Changed indentation	16
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\subsection: Changed formatting	16	\interfootnotepenalty: Changed	
\subsubsection: Changed format-		value	17
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