Abstract

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1 Introduction

According to the statement at http://www.resphilosophica.org/, Res Philosophica is an international, quarterly journal of philosophy that publishes research in all areas of philosophy, historical and topical. Founded as The Modern Schoolman by Jesuit Scholastics in 1925, the journal is edited by members of the Philosophy Department at Saint Louis University and supported generously by the College of Arts and Sciences.

This package is intended for the authors and editors of the journal to typeset the articles in \LaTeX. Note that the journal is typeset in Linotype Sabon. The users may buy the fonts and install their free \LaTeX support [1], or use the options \texttt{bodyfont=cm} and \texttt{rpfont=cm} to typeset the articles using Computer Modern. Of course, the line and page breaks in the latter case are different from those in the final version typeset with commercial fonts.

2 User Interface

2.1 Commercial Fonts

The package can be used with free Computer Modern fonts or with commercial fonts to mimick the journal typesetting. The installation of additional fonts is therefore fully optional.

Res Philosophica uses Linotype Sabon for the body text and URW Garamond for mathematics. Sabon is a commercial font. URW Garamond is free, but due to license restrictions it is usually not included with \TeXLive, Mik\TeX and other major distributives. If you bought Linotype Sabon, you need to install the package \texttt{lsabon} [1]. To use URW Garamond, you need to download the \texttt{pfb} files from a CTAN mirror (http://mirror.ctan.org/fonts/urw/garamond/), install them in the directory \texttt{fonts/type1/urw/garamond} under \texttt{$TEXMFLOCAL} and run \texttt{texhash}.

2.2 Invocation and Options

To use the class put in the preamble of your document

\begin{verbatim}
\documentclass[⟨options⟩]{resphilosophica}
\end{verbatim}

The class \texttt{resphilosophica} internally loads \texttt{amsart}, and therefore all class options for \texttt{amsart} are technically valid. However, most of them are not especially meaningful for \texttt{resphilosophica}. There are several options specific for this class. They are described below. Note that the class uses key-value interface for some options, for example

\begin{verbatim}
\documentclass[bodyfont=sabon]{resphilosophica}
\end{verbatim}

\texttt{option}

\texttt{bodyfont} The option \texttt{bodyfont} can have three values: \texttt{sabon} for Sabon/Garamond fonts,
cm for Computer Modern and auto (default). The later option switches to the use of Sabon if the font metrics are present in your system, and to the use of Computer Modern otherwise.

The option manuscript is intended to facilitate the communications between the editor and the author. It enables two things:

1. The numbering of lines in the manuscript is switched off in the normal mode, but is on in the manuscript mode.

2. The command \EditorialComment is no-op in normal mode, but produces marginal commentaries in the manuscript.

The option preprint is for the final version of the manuscript. In this mode there are no editorial comments, but the numbering of lines is preserved.

The option screen is intended for the screen reading. When this option is selected, the links become highlighted.

The option forthcoming is like screen, but it is used when there is no information about the volume. The macro \onlinedate\{date\} can be used to set the date of online publication.

The preferred solution for bibliography is natbib package [2]. The option natbib=true (default) sets the package and the proper options, including bibliography style. The option natbib=false switches this behavior off, and the formatting of the bibliography becomes the full responsibility of the author. The package includes the BibTEX bibliography style resphilosophica.bst.

### 2.3 Topmatter

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

There are two kinds of top matter commands: the ones used primarily for authors and the ones used primarily for editors. We describe them separately.

#### 2.3.1 Commands for Authors

The command \title, as in amsart class, has two arguments: one optional, and one mandatory:

<title>{ShortTitle}\{FullTitle\}

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

\author
\email
\address
\curraddr
\urladdr

\shortauthors

In some cases the authors list may be too long for the running head, even if the abbreviated forms are used for each author. In this case it is possible to
change the running head by a *redefinition* of the command `\shortauthors`. This
redefinition must be done after all `\author` commands, but before `\maketitle`:

\renewcommand{\shortauthors}{A.~Smith et al}

`\thanks`  Like `amsart` (and unlike standard `\LaTeX`), `resphilosophica` allows `\thanks` only
outside of commands `\title` and `\author`. The text of `\thanks` is typeset at the
end of the paper as a footnote marked ‘Acknowledgements’. Note that the right
vertical positioning of this footnote might require an additional run of `\LaTeX`.

`\titlenote`  The `\titlenote{⟨note⟩}` command creates a special footnote for the title.
This command should be issued outside the `\title` command.

`\authornote`  The similar `\authornote{⟨note⟩}` command creates a special footnote for the
author. This command should be issued outside the `\author` command.

`\copyrightnote`  Normally each paper is copyrighted by the authors and by the journal. This is
reflected in the footnote on the first page of the article. However, by arrangement
with the editors, certain papers may have different copyright. The command
`\copyrightnote{⟨copyright statement⟩}`, if issued, changes the footnote to the
Corresponding text, for example:

\copyrightnote{\textcopyright~2012 by the authors. This paper may
be reproduced, in its entirety, for noncommercial purposes.}

Note that if you issue this command, you should explicitly include both the copy-
right sign and the year unless the paper does not have a copyright, for example:

\copyrightnote{This paper is in the public domain}

`\copyrightyear`  Normally the copyright statement includes the year of copyright, which is as-
sumed to be the publication year as specified by the `\publicationyear` command
(see below). If this assumption is wrong, you may correct it, for example,

`\copyrightyear{1998}

abstract`  The abstract of the paper must be put between `\begin{abstract}` and
`\end{abstract}`. Unlike the situation in `amsart` class, abstract may be put *after*
`\maketitle`.

`\maketitle`  The macro `\maketitle` typesets the top matter. All top matter information
should be specified before this command.

2.3.2 Commands for Editors

The commands described in this section should be used by the editors to insert the
information about the published paper. They must be put before the `\maketitle`
command.

`\volumenumber`  The macros `\volumenumber`, `\issuenumber`, `\publicationyear`, `\publicationmonth`,
\papernumber
\startpage
\endpage
\papernumber, \startpage, \endpage set up the corresponding data for the paper, for example:
\volumenumber{88}
\issuenumber{1--2}
\publicationyear{2012}
\publicationmonth{January--February}
\papernumber{2}
\startpage{1}
\endpage{39}

Note that if the argument of \endpage is empty, \LaTeX tries to calculate the last page number as best as it can.

Sometimes publication month for double issues is too long to fit on the back cover. For this case \publicationmonth has the optional argument, abbreviated month, for example
\publicationmonth[Jan--Feb]{January--February}

\doinumber Normally you do not need to set the DOI of the paper: \LaTeX will construct the number using the paper data (including paper number in the current issue). However, you may override its decision using the command \doinumber which sets the DOI explicitly, for example, \doinumber{⟨10.11612/resphilosophica.2013.01.01⟩}.
You probably should not use this macro.

\prevpaper Instead of setting \startpage, one can use the the command \prevpaper{⟨previous paper⟩}, with the argument being the location and file name of the previous paper in the journal, for example:
\prevpaper{../infinity/concept_of_infinity}

\paperUrl Note that the .tex suffix should not be used. The previous paper must be processed by latex prior to the current one. In this case latex will read the last page of the previous paper, and start the current one from the proper page number.

\EditorialComment The macro \EditorialComment[⟨level⟩]{⟨comments⟩} typesets the comments on the margins in the manuscript mode, for example,
Which is a well known fact.\EditorialComment[1]{A citation is needed}\EditorialComment[1]{Please make the citation more explicit}.

Editorial comments have levels. A level can be numeric or symbolic; symbolic levels can contain letters and numbers. The default level is 0, so \EditorialComment{text} is equivalent to \EditorialComment[0]{text}.
\ECSelect \ECSelect{(level,level,...)} selects the levels of editorial comments to display in the manuscript mode. Note that 0 corresponds to the default level, so the command \ECSelect{0} should be used to show these comments.

Sometimes it is useful to tell the author about typesetter’s changes in the manuscript. The dialog between the author and typesetter might take several iterations, so the class provides a system for this dialog.

\TC \TC\[⟨level⟩\]{⟨text⟩} makes ⟨text⟩ highlighted in the manuscript mode if the level [⟨level⟩] is chosen. For example,

```
This proposition \TC[1]{(first discussed by the author in 2010)} can be stated as the following.
```

The macro \TC\[⟨level⟩\]{⟨text⟩} makes ⟨text⟩ highlighted in the manuscript mode if the level [⟨level⟩] is chosen. For example,

```
This proposition \TC[1]{(first discussed by the author in 2010)} can be stated as the following.
```

The level can be numerical, or logical, e.g. \TC[new]{text}. Actually any combination of letters and numbers that does not contain commas or spaces can be used for level. By default the level is 0, so \TC{⟨text⟩} is equivalent to \TC[0]{⟨text⟩}.

\TCSelect \TCSelect{⟨color⟩}{⟨level,level,level,...⟩} \TCSelect \TCSelect{(color)}{⟨level,level,level,...⟩} \TCSelect \TCSelect{⟨color⟩}{⟨level,level,level,...⟩}

The decision to highlight certain levels is done by the command \TCSelect{(color)}{⟨level,level,level,...⟩}. The first optional argument is the color used for highlighting; by default magenta. Actually any color expression understandable by xcolor can be used. The second argument is a comma-separated list of levels that will be highlighted by the selected color. The command \TCSelect can be repeated, for example,

```
\TCSelect{0,1,new}
\TCSelect{blue}{second-level}
```

If a level does not appear in any \TCSelect command, it is not highlighted—that is why we do not need a separate \TCOff command.

### 3 Special Notes

Some authors include special notes, for example, bibliography description, that precede list of references, but follow the signature block. The environment notes is intended for this purpose. It has one mandatory argument, title, for example

```
\begin{notes}{Bibliography notes}
The best discussion of the problem can be found in...
\end{notes}
```

### 3.1 Bibliography

As mentioned above, resphilosophica by default uses natbib [2]. You should use natbib commands like \citeth, \citep etc.

Note that \bibliographystyle command should not be issued by the author; the package takes care of this. You just need to type

```
\bibliography{DATABASE, DATABASE...}
```
The bibliography style used for the articles is `resphilosophica.bst`. Compared to standard styles it has two additional fields:

**doi:** DOI number of the publication. Write there only the number: the style will automatically add `http://dx.doi.org` and make the reference clickable.

**titlenote:** the note that should be put after the title rather than at the end of the entry\(^1\), for example, the information about translators, editors of critical editions, etc:

```
@book{Knuth94:TheTeXbook,
    address = {Reading, MA},
    author = {Knuth, Donald Ervin},
    titlenote = {Illustrations by Duane Bibby},
    publisher = {Addison-Wesley Publishing Company},
    series = {Computers \& Typesetting A},
    title = {The \TeX book},
    year = {1994},
}
```

Sometimes Bib\TeX inserts an unwanted comma into an entry, for example, in the following one:

```
@incollection{ande97a,
    Address = {Macon, GA},
    Author = {Anderson, Thomas C.},
    Booktitle = {Concluding Unscientific Postscript to \enquote{Philosophical Fragments}},
    Date-Modified = {2013-09-04 21:27:17 +0000},
    Editor = {Robert Perkins},
    Owner = {Andrew},
    Pages = {187--204},
    Publisher = {Mercer University Press},
    Series = {International Kierkegaard Commentary},
    Timestamp = {2013.09.04},
    Title = {Kierkegaard and Approximation Knowledge},
    Volume = {12},
    Year = {1997}}
```

The command `\suppresscomma` suppresses the next comma:

```
\suppresscomma\enquote{Philosophical Fragments,\suppresscomma},
```

\(^1\)This field was proposed by Maureen Shupsky for the *Annals of Mathematics* bibliography style.
The bibliography style has a special entry type, `inloosecollection`. It resembles the standard `incollection` entry, but it refers to a collection of papers written by separate authors that are quotable separately as an independent entity. This entry is typeset slightly differently than the standard `incollection` entry.

If you decide to forgo `natbib`, you can use `natbib=false` option. Then you should remember to put the bibliography after the end matter (authors’ addresses etc) using the command \AddtoEndMatter:

\AddtoEndMatter{MY BIBLIOGRAPHY COMMANDS}

Acknowledgements

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4 Implementation

4.1 Options

We need \texttt{xkeyval} since some of our options may have values:

\begin{verbatim}
\RequirePackage{xkeyval}
\end{verbatim}

\begin{verbatim}
\ifRESP@fontauto First, check whether the user have the body font explicitly configured:
\newif\ifRESP@fontauto
\RESP@fontautotrue
\ifRESP@rpfontauto Same for \textit{Res Philosophica} font
\newif\ifRESP@rpfontauto
\RESP@rpfontautotrue
\ifRESP@lsabon Are we using linotype sabon?
\newif\ifRESP@lsabon
\RESP@lsabonfalse
\ifRESP@mtshadow Are we using MT Imprint Shadow?
% \newif\ifRESP@mtshadow
% \RESP@mtshadowfalse
\end{verbatim}

\begin{verbatim}
\define@choicekey*+{resphilosophica.cls}{bodyfont}[\val\nr]{auto, sabon, lsabon, cm}{auto}{% \ifcase\nr\relax \RESP@fontautotrue \or \RESP@fontautofalse \RESP@lsabontrue \or \RESP@fontautofalse \RESP@lsabonfalse \or \RESP@fontautofalse \RESP@lsabonfalse \or \RESP@fontautofalse \RESP@lsabonfalse \or \RESP@fontautofalse \RESP@lsabonfalse \or \RESP@fontautofalse \RESP@lsabonfalse \or \RESP@fontautofalse \RESP@lsabonfalse \or \RESP@fontautofalse \RESP@lsabonfalse \or \RESP@fontautofalse
\PackageWarning{resphilosophica}{The option bodyfont must be auto, sabon or cm. Using auto}\RESP@fontautotrue}
\end{verbatim}

\begin{verbatim}
\define@choicekey*+{resphilosophica.cls}{rpfont}[\val\nr]{auto, imprint, imprintshadow, cm}{auto}{% \ifcase\nr\relax \RESP@rpfontautotrue \or \RESP@rpfontautofalse \RESP@mtshadowtrue \end{verbatim}

\begin{verbatim}
% \define@choicekey*+{resphilosophica.cls}{rpfont}[\val\nr]{auto, imprint, imprintshadow, cm}{auto}{% \ifcase\nr\relax \RESP@rpfontautotrue \or \RESP@rpfontautofalse \RESP@mtshadowtrue \end{verbatim}

\begin{verbatim}
% \define@choicekey*+{resphilosophica.cls}{rpfont}[\val\nr]{auto, imprint, imprintshadow, cm}{auto}{% \ifcase\nr\relax \RESP@rpfontautotrue \or \RESP@rpfontautofalse \RESP@mtshadowtrue \end{verbatim}

\begin{verbatim}
% \define@choicekey*+{resphilosophica.cls}{rpfont}[\val\nr]{auto, imprint, imprintshadow, cm}{auto}{% \ifcase\nr\relax \RESP@rpfontautotrue \or \RESP@rpfontautofalse \RESP@mtshadowtrue \end{verbatim
natbib Checking natbib option:
\define@boolkey+{resphilosophica.cls}[RESP@]{natbib}[true]{}{%
\PackageWarning{resphilosophica}{The option natbib must be yes or no. Using yes}}
\RESP@natbibtrue

The size-changing options produce a warning:
\long\def\RESP@size@warning#1{%
\ClassWarning{RESPart}{Size-changing option #1 will not be honored}}%
\DeclareOptionX{8pt}{\RESP@size@warning{8pt}}%
\DeclareOptionX{9pt}{\RESP@size@warning{9pt}}%
\DeclareOptionX{10pt}{\RESP@size@warning{10pt}}%
\DeclareOptionX{11pt}{\RESP@size@warning{11pt}}%
\DeclareOptionX{12pt}{\RESP@size@warning{12pt}}%
\if\RESP@manuscript
\if\RESP@screen
\if\RESP@preprint
\if\RESP@forthcoming
\else
All other options are passed to amsart:
\PassOptionsToClass{\CurrentOption}{amsart}
And executing options:
\ProcessOptionsX
4.2 Loading Classes and Packages

We use \texttt{amsart} since it has nice features for front matter:

\begin{verbatim}
\LoadClass[noamsfonts,twoside]{amsart}
\end{verbatim}

Some packages

\begin{verbatim}
\RequirePackage{microtype, fancyhdr, xcolor, lastpage, collect}
\RequirePackage{footmisc}
\RequirePackage[hyperfootnotes=false]{hyperref}
\urlstyle{rm}
\ifRESP@manuscript\hypersetup{colorlinks,allcolors=blue}\else
\ifRESP@screen\hypersetup{colorlinks,allcolors=blue}\else
\ifRESP@preprint\hypersetup{colorlinks,allcolors=blue}\else
\hypersetup{hidelinks}\fi\fi\fi\fi
\end{verbatim}

The font to use depends on the options. Note that \LaTeX{} cannot reliably
determine whether a binary file like \texttt{SabonLTRom.pfb} exists in the system, so we
check for the \texttt{.fd} file instead (sigh):

\begin{verbatim}
\ifRESP@fontauto
\IfFileExists{t1lsb.fd}{\RESP@lsabontrue}{\RESP@lsabonfalse}\fi
\end{verbatim}

If the user wants, we load Sabon and URW Garamond. Note that mathdesign
defines \texttt{sc} to be \texttt{fsc}, so we need to redefine it for Sabon. Also, it defines \texttt{b}
to \texttt{mb}, so we redefine it again.

\begin{verbatim}
\ifRESP@lsabon
\RequirePackage{mathdesign}
\RequirePackage{lsabon}
\renewcommand\scdefault{sc}
\renewcommand{\bfdefault}{b}
\fi
\end{verbatim}

Checking the existence of \texttt{miih} font metrics:

\begin{verbatim}
\ifRESP@rpfontauto
\IfFileExists{t1miih.fd}{\RESP@mtshadowtrue}{\RESP@mtshadowfalse}\fi
\end{verbatim}

This is the font for \textit{Res Philosophica}:

\begin{verbatim}
\ifRESP@mtshadow
\def\rpdefault{miih}\else
\def\rpdefault{\rmdefault}\fi
\end{verbatim}

\texttt{\AddtoEndMatter} A syntax sugar to add something after signature:

\begin{verbatim}
\def\AddtoEndMatter#1{\g@addto@macro\enddoc@text{#1}}
\end{verbatim}

And loading natbib:

\begin{verbatim}
\ifRESP@natbib
\RequirePackage{natbib}
\AtEndDocument{\bibliographystyle{resphilosophica}}
\let\RESP@bibliography=\bibliography
\def\bibsection{\par\addpenalty\@secpenalty\addvspace{\bigskipamount}}
\end{verbatim}
4.3 Page Dimensions and Paragraphing

Paper:
\pdfpaperwidth
\pdfpaperheight
\textwidth
\textheight
The size of the type block:
\setlength{\textwidth}{318pt}
\setlength{\textheight}{540pt}
\evensidemargin
\oddsidemargin
The margins:
\setlength{\evensidemargin}{-10pt}
\setlength{\oddsidemargin}{-26pt}
\ifRESP@screen
\setlength{\evensidemargin}{-18pt}
\setlength{\oddsidemargin}{-18pt}
\fi
\ifRESP@forthcoming
\setlength{\evensidemargin}{-18pt}
\setlength{\oddsidemargin}{-18pt}
\fi
\topmargin
Top margin
\setlength{\topmargin}{-48pt}
\listisep
This is the space around lists. *amsart* defines it as \smallskipamount. We slightly increase it:
\listisep\medskipamount

4.4 Headers

\headsep
Separation between the header and the body
\setlength{\headsep}{14pt}
\headheight
The height of the headers:
\setlength{\headheight}{12pt}
\headrulewidth
\footrulewidth
We do not want decorative rules in the journal:
\renewcommand{\headrulewidth}{0pt}
\renewcommand{\footrulewidth}{0pt}
Separation between the footer and the body
\setlength{\footskip}{20pt}

\RESP@printlinecount Do we want to print line count?
\newif\ifRESP@printlinecount
\RESP@printlinecountfalse
\ifRESP@manuscript\RESP@printlinecounttrue\fi
\ifRESP@preprint\RESP@printlinecounttrue\fi

\RESP@linecount This is the box displayed in the manuscript mode
\ifRESP@printlinecount
\newsavebox{\RESP@linecount}
\savebox{\RESP@linecount}[4em][t]{\parbox[t]{4em}{%
\@tempcnta\@ne\relax
\loop\color{red}\scriptsize\the\@tempcnta}\advance\@tempcnta by \@ne\ifnum\@tempcnta<47\repeat}}
\fi

It is easy to set up headers with \fancyhdr:
\pagestyle{fancy}
\fancyhead{}
\fancyfoot{}
\fancyhead[LE]{\footnotesize\thepage\quad\itshape\shortauthors}
\fancyhead[RO]{\footnotesize\textit{\shorttitle}\quad\thepage}
\ifRESP@printlinecount
\fancyhead[LE]{\begin{picture}(0,0)\put(-26,-22){\usebox{\RESP@linecount}}\end{picture}\footnotesize\thepage\quad\itshape\shortauthors}
\fancyhead[LO]{\begin{picture}(0,0)\put(-21,-22){\usebox{\RESP@linecount}}\end{picture}}
\fi
\ifRESP@manuscript
\fancyfoot[C]{\scriptsize\color{red}Author’s Proof}\
\fi
\ifRESP@preprint
\fancyfoot[C]{\scriptsize\color{red}Author’s Pre-Print}\
\fi

The first page has the special headers. The style \texttt{firstpage} is invoked by \texttt{amsart}; here we just redefine it.
\fancypagestyle{firstpage}{%
\fancyhf{}%
\ifRESP@printlinecount
\lhead{\begin{picture}(0,0)\put(-26,-22){\usebox{\RESP@linecount}}\end{picture}}%
\rhead{\begin{picture}(0,0)\put(-21,-22){\usebox{\RESP@linecount}}\end{picture}}%
\fi
\ifRESP@manuscript
\fancyfoot[C]{\scriptsize\color{red}Author’s Proof}\
\fi
\ifRESP@preprint
\fancyfoot[C]{\scriptsize\color{red}Author’s Pre-Print}\
\fi

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4.5 Top Matter Macros

Most top matter macros are defined in \texttt{amsart}. Here we just add some new macros and redefine some.

The next macros mimic the functionality of \texttt{amsart \issueinfo} command. Note that \texttt{\issueinfo} still works.

\texttt{\volumenumber} This sets the volume of the paper
\begin{verbatim}
\def\volumenumber#1{\def\currentvolume{#1}}
\end{verbatim}
\texttt{\issuenumber} This sets the issue of the paper:
\publicationyear This sets the year of the paper
\publicationmonth This sets the month of the paper
\papernumber This is absent from the \issueinfo.
\paperUrl The url to submit to crossref
\startpage This defines the starting page of the paper. We have some nice features to set up roman page numbers for editorial stuff—probably not needed for this journal at this time...
\endpage This macro again has a twist in it: if the argument is not set, it calculates the last page number itself.
\pagespan This macro is different from the one provided by amsart because we want to have the option of automatic calculation of the last page number.
This is necessary for \prevpaper command. We read the TOC entry from the previous paper and increment it by 1. Note that we always start with an odd page, since the additional check

\def\articleentry#1#2#3#4{\@tempcnta=#4\relax\advance\@tempcnta by 1\relax\ifodd\the\@tempcnta\else\advance\@tempcnta by 1\relax\fi\startpage{\the\@tempcnta}}

This sets the previous paper location and reads the information from the previous paper

\def\prevpaper#1{\IfFileExists{#1.rpi}{\ClassInfo{resphilosophica}{Reading first page number from the file #1.rpi}\input{#1.rpi}}{\ClassWarning{resphilosophica}{Cannot find the file #1.rpi. Did you run latex on the previous paper?}}}

abstract We slightly redefine abstract comparing to amsart conventions:

\renewenvironment{abstract}{\ifx\maketitle\relax\ClassWarning{resphilosophica}{Abstract should precede \protect\maketitle\space in AMS derived classes}\fi\global\setbox\abstractbox=\vtop{\bgroup\vglue1pc\list{}{\labelwidth\z@\leftmargin3pc \rightmargin\leftmargin\listparindent\normalparindent \itemindent\z@\parsep\z@ \@plus\p@}\item[
\normalfont\normalsize\textbf{abstractname}:]}\egroup\ifx\@setabstract\relax\@setabstracta\fi}}

\def\copyrightyear#1{\def\@copyrightyear{#1}\ifRESP@forthcoming\copyrightyear{\the\year}\else\copyrightyear{}\fi}

This is the copyright year in case it does not coincide with the publication year:

\def\copyrightyear#1{\def\@copyrightyear{#1}\ifRESP@forthcoming\copyrightyear{\the\year}\else\copyrightyear{}\fi}

\@onlinedate Online date for forthcoming issues

\def\onlineate#1{\gdef\onlineate{#1}\onlineate{\hspace{5em}}}

\RESP@bulletboxwidth This is the width of a box with a bullet for copyright note:
\copyrightnote This is the copyrightnote. The default has some trickery with the year and short authors.

The disappearing bullet is based on the trick by Marcin Wolinński, who noted that \cleaders are discardable (see [4]).

\author The base class puts into \addresses the strange line \author{}. We correct this:

\authornote This command adds an entry to the list of titlenotes

\authornote This command adds an entry to the list of titlenotes
4.6 Typesetting Top Matter

\@settitle
We do not uppercase title. Also, we use this occasion to set PDF information:

\def\@settitle{\begin{center}%
\baselineskip20\p@elax
\LARGE\scshape
\renewcommand\thefootnote{\@fnsymbol\c@footnote}%
\@title\@titlenotes
\hypersetup{pdftitle=\@title}%
\end{center}%
}

\@setauthors
Now we typeset authors according to our specs. Again, we use this occasion to
set some PDF information:

\def\@setauthors{%
\ifx\authors\@empty\relax\else
\begingroup
\def\thanks{\protect\thanks@warning}%
\trivlist
\centering\footnotesize \@topsep30\p@elax
\advance\@topsep by \baselineskip
\item\relax
\def\@@and{{and}}
\author@andify\authors
\hypersetup{pdfauthor=\authors}%
\def\{\protect\linebreak}%
\renewcommand\thefootnote{\@fnsymbol\c@footnote}%
\large\normalfont\authors\@authornotes
\endtrivlist
\endgroup
\fi%
}

\maketitle
We redefine \maketitle—mostly to prevent uppercasing of shorttitle and to write
down the journal information:

\def\maketitle{\par
\@topnum\z@ % this prevents figures from falling at the top of page 1
\@setcopyright
\thispagestyle{firstpage}% this sets first page specifications
\ifa\empty\shortauthors\let\shortauthors\shorttitle
\else \andify\shortauthors\fi
\maketitle@hook
\RESP@write@paper@info
\begingroup
\@maketitle\toks\@\exp@\@\empt@\@\empt@\@\empt@
\toks4\@\exp\@\empt@\@\empt@
\edef\@tempa{\
\@nx\markboth{\the\toks4\shorttitle}}
\fi
\maketitle@hook
\RESP\write@paper@info
\begingroup
\maketitle\toks\@\exp@\@\empt@\@\empt@\@\empt@
\toks4\@\exp\@\empt@\@\empt@
\edef\@tempa{\
\@nx\markboth{\the\toks4\shorttitle}}
\fi
\maketitle@hook
\RESP\write@paper@info
\begingroup
\maketitle\toks\@\exp@\@\empt@\@\empt@\@\empt@
\toks4\@\exp\@\empt@\@\empt@
\edef\@tempa{\
\@nx\markboth{\the\toks4\shorttitle}}
We delete top space introduced by \texttt{amsart}:
\begin{verbatim}
def \maketitle{% 
\normalfont\normalsize 
@adminfootnotes
@mkboth{\@nx\shortauthors}{\@nx\shorttitle}%
@settitle
@ifx\@empty\authors \else \setauthors \fi
@ifx\@empty\@dedicatory
else
\baselineskip18\p@ 
vtop{\centering{\footnotesize\itshape\@dedicatory\@@par} 
global\dimen0\prevdepth}\prevdepth\dimen0i
\fi
@setabstract
\normalsize
@if@titlepage
\newpage
\else
\dimen\@34\p@ \advance\dimen-\baselineskip 
vskip\dimen@relax
\fi
}% end \maketitle
\end{verbatim}

\begin{verbatim}
\@mainrpi
The stream for the \texttt{rpi} file:
\begin{verbatim}
\newwrite@mainrpi
\RESP@write@paper@info
This writes the information about the paper into the file \texttt{jobname.rpi}. Note that \texttt{hyperref} makes our life a little bit more complex
\begin{verbatim}
def \RESP@write@paper@info{% 
\bgroup
\if@filesw
\openout@mainrpi\jobname.rpi%
write@mainrpi{\relax}%
\ifx\r@LastPage\@undefined
edef@tempa{\start@page}%
\else
edef@tempc##1##2##3##4##5{##2}%
edef@tempa{\expandafter@tempc\r@LastPage}%
\fi
\fi
\def\and{\string\and\space}
\protected@write\@mainrpi{% 
\string\articleentry{\authors}{\@title}{\start@page}{\@tempa}}%
\end{verbatim}
\end{verbatim}
\end{verbatim}
The next lines are for crossref software

\protected@write\@mainrpi{%  
  {\@percentchar authors=\authors}%
\protected@write\@mainrpi{%  
  {\@percentchar title=\@title}%
\protected@write\@mainrpi{%  
  {\@percentchar year=\currentyear}%
\protected@write\@mainrpi{%  
  {\@percentchar volume=\currentvolume}%
\protected@write\@mainrpi{%  
  {\@percentchar issue=\currentissue}%
\protected@write\@mainrpi{%  
  {\@percentchar paper=\currentpaper}%
\protected@write\@mainrpi{%  
  {\@percentchar startpage=\start@page}%
\protected@write\@mainrpi{%  
  {\@percentchar endpage=\@tempa}%
\protected@write\@mainrpi{%  
  {\@percentchar doi=\@doinumber}%
\ifx\@paperUrl\@empty\else
\protected@write\@mainrpi{%  
  {\@percentchar paperUrl=\@paperUrl}%
\fi
\closeout\@mainrpi
}\egroup
\protect \@adminfootnotes

We just define this to noop:
\def\@adminfootnotes{}
\protect \@cleartopmattertags

We typeset thankses at the end of the paper so we do not clear them:
\def\@cleartopmattertags{%
\do\maketitle \do\maketitle \do\title \do\@title \do\@title
\do@author \do\@author \do\address \do\@address
\do@contrib \do@contribs \do@xcontribs \do@toccontribs
\do@email \do\@email \do\curraddr \do\@curraddr
\do@commby \do\@commby
\do@dedicatory \do\@dedicatory \do@thanks
\do@keywords \do\@keywords \do\subjclass \do\@subjclass
\def\sf@size{7}{
4.7 Notes

This is like bibliography:
\def\collection{notes}
\newenvironment{notes}[1]{%
  \@nameuse{collect}{notes}{}{}%
  \makeatletter
  \par\addpenalty\@secpenalty\addvspace{\bigskipamount}%
  \noindent \Small #1:
  \nobreak\vskip\medskipamount\@afterheading
  \makeatother
}{\@nameuse{endcollect}\AddtoEndMatter{\includecollection{notes}}}

4.8 Typesetting End Matter

End matter is typeset at the end of the paper.

\if\enddoc
  We put thankses into end matter. Also, we redefine bibliography back to the
  original definition in case someone writes \AddtoEndMatter{\bibliography{}}
  \def\enddoc@text{%
    \@enddoctrue\def\bibliography{\RESP@bibliography}%
    \if\empty\thankses\else
      \bgroup
      \let\@makefnmark\relax
      \let\@thefnmark\relax
      \if\lastfootnote@page\@undefined\else
        \@tempcnta=\lastfootnote@page\relax
        \ifnum\c@page=\@tempcnta\relax
          \insert\footins{\medskip}%
        \fi
      \fi
      \@footnotetext{%
        \def\par{\let\par\@par}
        \textbf{Acknowledgements\quad} \@setthanks%
      }
    \fi
  \fi
  \if\empty\@translators \else\@settranslators\fi
  \if\empty\addresses \else\@setaddresses\fi}
\else
  A group of authors is separated by a skip from another group. This macro checks
  whether this is the first one
  \newif\if\RESP@firstingroup
\fi

\emailaddrname

The name for e-mail address:
Unlike \texttt{aomart}, we want to preserve author's name in the address block. Also, we want to keep linebreaks and to have clickable e-mail and URL.

We want to skip between the author groups (several authors with the same affiliation), so we check whether the previous line contains another author:

\begin{verbatim}
\def\@setaddresses{\par
  \nobreak \begingroup\flushright\clubpenalty\@MM\interlinepenalty\@MM
  \widowpenalty\@MM
  \RESP@firstingrouptrue
  \Small
  \def\author##1{\nobreak\ifRESP@firstingroup\par
    \addvspace\bigskipamount\penalty-1000\fi
    \RESP@firstingroupfalse##1\par
    \nobreak}
  \parindent\z@
  \def\address##1##2{\RESP@firstingrouptrue\begingroup
    \par
    \@ifnotempty{##1}{(\ignorespaces##1\unskip) }\%
    \@ifnotempty{##2}{\ignorespaces##2}\par
    \endgroup}
  \def\curraddr##1##2{\RESP@firstingrouptrue\begingroup
    \@ifnotempty{##2}{\nobreak\indent\curraddrname
      \@ifnotempty{##1}{, \ignorespaces##1\unskip} \hskip0.2em: \space
      ##2\par}
    \endgroup}
  \def\email##1##2{\RESP@firstingrouptrue\begingroup
    \@ifnotempty{##2}{\nobreak\indent\emailaddrname
      \@ifnotempty{##1}{, \ignorespaces##1\unskip} \hskip0.2em: \space
      \href{mailto:##2}{\nolinkurl{##2}}\par}
    \endgroup}
  \def\urladdr##1##2{\RESP@firstingrouptrue\begingroup
    \@ifnotempty{##2}{\nobreak\indent
      \@ifnotempty{##1}{, \ignorespaces##1\unskip} \url{##2}\par}
    \endgroup}
  \addresses
  \endgroup
}
\end{verbatim}

At the end we eject the last page. If the document is printed and the last page is odd, we add an empty page.

\begin{verbatim}
\AtEndDocument{\clearpage
  \ifRESP@manuscript\else
    \ifRESP@screen\else
      \ifRESP@preprint\else
        \ifRESP@forthcoming\else
          \cleardoublepage
          \fi
        \fi
      \fi
    \fi
  \fi}
\end{verbatim}

\chapter{Sectioning}

We do not want our numbers to be upright and medium series, as \texttt{amsart} wants:

\begin{verbatim}
\def\@seccntformat#1{\csname the#1\endcsname\enspace}
\end{verbatim}

\section{Sectioning}
We want our sections to be large and bold:
\renewcommand\section{
@startsection {section}{1}{
\z@}{-3.5ex \plus -1ex \minus -.2ex}{2.3ex \plus .2ex}{
\normalfont\large\bfseries}}

Subsections are bold
\renewcommand\subsection{
@startsection{subsection}{2}{
\z@}{-3.25ex \plus -1ex \minus -.2ex}{1.5ex \plus .2ex}{
\normalfont\normalsize\bfseries}}

Subsubsections are normalsize and italic
\renewcommand\subsubsection{
@startsection{subsubsection}{3}{
\parindent}{-3.25ex \plus -1ex \minus -.2ex}{1.5ex \plus .2ex}{
\normalfont\normalsize\itshape}}

Paragraphs:
\renewcommand\paragraph{
@startsection{paragraph}{4}{
\z@}{3.25ex \plus 1ex \minus .2ex}{-1em}{
\normalfont\normalsize\bfseries}}

\renewcommand\subparagraph{
@startsection{subparagraph}{5}{
\parindent}{3.25ex \plus 1ex \minus .2ex}{-1em}{
\normalfont\normalsize\bfseries}}

4.10 Additional Commands

We always put marginpars on the right since the line box is on the left
\@mparswitchfalse

This macro is noop in normal mode, but is a tiny marginpar in the manuscript mode
\newcommand\EditorialComment[2][0]{\relax
\expandafter\ifx\csname EditorialComment@#1\endcsname\relax
\else
\marginparwidth=200pt\marginpar{\color{red}\raggedright#2}\fi}

This selects the given levels
\def\ECSelect#1\if\RESP@manuscript
\for\EC@level=#1\do{\\expandafter\gdef\csname \EC@level\endcsname{\EditorialComment}}\fi
\texttt{\textbackslash TC} The command to highlight text if the corresponding level is selected. The first argument is the level, the second is text.

\begin{verbatim}
\newcommand\TC[2][0]{% \expandafter\ifx\csname TC@highlight@#1\endcsname\relax#2\else \csname TC@highlight@#1\endcsname{#2}\fi}
\end{verbatim}

\texttt{\textbackslash TCSelect} This switches on the selected levels in the manuscript version

\begin{verbatim}
\newcommand\TCSelect[2][magenta]{\if\RESP@manuscript \@for\TC@level:=#2\do{\expandafter\gdef\csname TC@highlight@\TC@level\endcsname##1{\bgroup \Hy@colorlinksfalse \def\Hy@colorlink####1{\begingroup} \def\Hy@endcolorlink{\endgroup} \color{#1}##1\egroup}} \fi}
\end{verbatim}

\texttt{\textbackslash doi} Typesetting doi...

\begin{verbatim}
\def\doi#1{\url{http://dx.doi.org/#1}}
\end{verbatim}

\texttt{\textbackslash @makefnmark} The definition of \texttt{@makefnmark} in amsart has a bug. Here we return to the \LaTeX{} one:

\begin{verbatim}
\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\@thefnmark}}}
\end{verbatim}

\texttt{\textbackslash @makefntext} Unlike \texttt{amsart}, we do not indent footnotes:

\begin{verbatim}
\long\def\@footnotetext#1{\insert\footins{\normalfont\footnotesize\interlinepenalty\interfootnotelinepenalty\splittopskip\footnotesep\splitmaxdepth\dp\strutbox\floatingpenalty\@MM\hsize\columnwidth\@parboxrestore\parindent\normalparindent\sloppy\protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefntext{}\rule\z@\footnotesep\ignorespaces\#1\unskip\strut\par}}
\end{verbatim}

4.11 The End

Philosophers love footnotes, since \texttt{\raggedbottom}

\begin{verbatim}
\raggedbottom\normalsize\normalfont
\end{verbatim}

\section{Conclusion}

\textit{"Es war einmal...}
References


Change History

v1.1
\maketitle: Redefined macro .......... 19
\mparswitch: Changed default .......... 23
\setauthors: Changed font .......... 18
General: Added DOI number .......... 1
Added MT Shadow Imprint code .......... 1
\doi: Added macro .......... 24
\EditorialComment: Added macro .......... 23
\ifRESP@mtshadow: Added macro .......... 9
\ifRESP@rpfontauto: Added macro .......... 9
rpfont: Added option .......... 9
\RESP@write@paper@info: Added protection \ .......... 19
\rpdefault: Added macro .......... 11
\section: Moved to \LaTeX\ defaults .......... 23
\subsection: Moved to \LaTeX\ defaults .......... 23
\subsubsection: Moved to \LaTeX\ defaults .......... 23
\volumenumber: The default is now empty .......... 14
\publicationyear: The default is now empty .......... 15
\RESP@printlinecount: Added macro .......... 13
\titlenote: Added command .......... 17
\copyrightnote: Deleted rpdefault .......... 17
\ifRESP@mtshadow: Deleted macro .......... 9
\maketitle: Added suppressing first para indentation .......... 18
\notes: Added macro .......... 21
\onlinedate: Added macro .......... 16
\rpdefault: Deleted option .......... 9
\publicationmonth: Added \abbrevcurrentmonth .......... 15
\rpdefault: Deleted macro .......... 11
\TC: Added macro .......... 24
\TCSelect: Added macro .......... 24
\v1.14 \sf@size: Bug corrected .......... 20
\v1.15 General: Added new bibliography command .......... 1
\v1.16 \@makefntext: Added small space after footnote mark .......... 24
\onlinedate: Added macro .......... 16
General: Added \bfdefault .......... 11
Added documentation about typesetter changes highlighting .......... 1
Deleted Imprint Shadow .......... 1
\copyrightnote: Deleted rpdefault .......... 17
\ifRESP@mtshadow: Deleted macro .......... 9
\maketitle: Added suppressing first para indentation .......... 18
\notes: Added macro .......... 21
\onlinedate: Added macro .......... 16
\rpdefault: Deleted option .......... 9
\publicationmonth: Added \abbrevcurrentmonth .......... 15
\rpdefault: Deleted macro .......... 11
\TC: Added macro .......... 24
\TCSelect: Added macro .......... 24
\v1.17 General: Added collect package .......... 11
Added documentation about new editorial comments .......... 1
Bibliography changes: ‘inloose-collection’ entry .......... 1
Journal name on the first page footer is now italic .......... 13
Online date for forthcoming option moved to the left and up .......... 13
\ECSelect: Added macro .......... 23
\EditorialComment: Redefined so levels are supported .......... 23
\notes: Redefined using collect package 21

v1.18
General: Journal name in Roman 13
Online date for forthcoming option moved down 13
\copyrightnote: Made journal name Roman 17

v1.19
\TCSelect: Switched off colored links 24
\v1.2
@adminfootnotes: Redefined 20
@cleartopmattertags: Redefined 20
@setaddresses: Changed font 22
@setauthors: Changed font 18
General: Changed font for bibliography 11
Changed skip for bibliography 11
\copyrightnote: Used \rpdefault for RP font 17
\enddoc@text: Redefined 21
\listisep: Redefined 12
\RESP@write@paper@info: Used \protected@write 19
\section: Changed font 23
\subsection: Changed font 23
\subsubsection: Changed font 23

v1.20
@makefnmark: Redefined 24
\paperUrl: Added macro 15
@RESP@write@paper@info: Added paperUrl 19

v1.21
General: Now we add empty even page at the end for printed version only 22

v1.23
General: Switched to twoside mode of amsart 11
\oddsidemargin: Made even- and odd- side margins different, except in screen and forthcoming modes 12
\pdfpaperheight: Added to paper width to accommodate larger thumb side margins 12

v1.24
@setauthors: Added authornotes 18

General: New command: authornote 1
authornote: Added command 1

v1.25
\oddsidemargin: Changed margins 17
\pdfpaperheight: Returned to old page width 12

v1.3
@setaddresses: Added penalties 22
@setauthors: Deleted ifpdf 18
@settitle: Deleted ifpdf 18
General: Added penalties 11
Ifpdf is no longer needed with modern engines 11
\copyrightyear: In the forthcoming mode the copyright year is the present year 16
\pdfpaperheight: Deleted ifpdf 12
\RESP@linecount: Changed check for linecount 13

v1.4
@makefntext: Redefined 24
General: Added footmisc package with 'bottom' option 11
Added screen option 1
Changed bibsection font 11
Changed color of "Author's proof" mark 13
\EditorialComment: Changed color 23
Changed font 23
@ifRESP@screen: Added option 10
\paragraph: Moved to LaTeX default 23
\pdfpaperheight: Changed paper in the manuscript mode 12
\RESP@linecount: Changed color 13
\subparagraph: Moved to LaTeX default 23

v1.5
@makefntext: Added writing the current footnote page to the aux file 24
General: Changed color for headers and footers 13
Color change for links 1
Hyperfootnotes are incompatible with hyperref 11
\EditorialComment: Changed color 23

27
<table>
<thead>
<tr>
<th>Command</th>
<th>Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>\enddoc@text</td>
<td>v1.8</td>
<td>Added flag</td>
</tr>
<tr>
<td>\if@enddoc</td>
<td>v1.8</td>
<td>Added macro</td>
</tr>
<tr>
<td>\RESP@linecount</td>
<td>v1.6</td>
<td>Changed color</td>
</tr>
<tr>
<td>General: Changed bib style</td>
<td>v1.6</td>
<td>Added blank last page if the last page is odd</td>
</tr>
<tr>
<td>General: Added new bibliography</td>
<td>v1.7</td>
<td>Changed bib style</td>
</tr>
<tr>
<td>\doi</td>
<td>v1.9</td>
<td>Changed formatting of doi</td>
</tr>
<tr>
<td>\footskip</td>
<td>v1.9</td>
<td>Decreased to fit doi number</td>
</tr>
<tr>
<td>\setaddresses</td>
<td>v1.9</td>
<td>Added penalties</td>
</tr>
<tr>
<td>\copyrightnote</td>
<td></td>
<td>Made bullet disappear at break</td>
</tr>
<tr>
<td>\RESP@bulletboxwidth</td>
<td></td>
<td>Added macro</td>
</tr>
</tbody>
</table>

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Index

Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

| Symbols | \mainrpi | \stemppca | \stemppctn | \stemppcnta | \stemppcnt | \stemppct | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcnt | \stemppcent