

# Typesetting Articles for *Archives of Forensic Psychology*\*

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## Abstract

This package provides a class for typesetting articles for the journal *Archives of Forensic Psychology*, <http://www.archivesofforensicpsychology.com>.

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# 1 Introduction

*Archives of Forensic Psychology* is an Open Access journal. It is described on its Web page<sup>1</sup> in the following way:

Archives of Forensic Psychology (AFP) is an innovative, peer-reviewed journal published twice per year. Our mission is to link the science and practice of forensic psychology, by making research and clinical resources freely available to all mental health, correctional, and legal professionals. AFP welcomes empirical research, book and instrument reviews, case studies, commentaries, literature reviews, and policy recommendations. Particularly encouraged is the submission of non-significant results as well as the findings of government reports, conference presentations, Master's theses, and doctoral dissertations.

The class `afparticle` is based on the `elsarticle` class [1] with the following changes:

1. Some formatting changes: unnumbered sections and paragraphs and others.
2. A different formatting of the title page.
3. Creation of the special file with the metadata used for the Crossref submission.
4. Consistent use of APA 6 citation style.

Most of these changes should be transparent for the user; in the next section we discuss the user-visible ones in more detail.

## 2 User Manual

The user should consult the manual of `elsarticle` [1]; below we describe only the features different for `afparticle` class.

### 2.1 Invocation

To use the class put in the preamble of your document

```
\documentclass{afparticle}
```

The class supports the same options as `elsarticles` with the following restrictions:

1. Options `3p` and `5p` are suppressed. The journal uses only `1p` one-column design. Use options `preprint` and `review` to typeset the article for submission, and `1p` for the final typesetting.

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<sup>1</sup><http://www.archivesofforensicpsychology.com>

- Options `authoryear`, `number`, `sort&compress` are suppressed. The journal uses `apacite` package [2] for the bibliography (see below).

To add line numbers to the manuscript, use

```
\usepackage{lineno}
```

and then either

```
\begin{linenumbers}
...
\end{linenumbers}
```

or the global command

```
\linenumbers
```

## 2.2 Front Matter

`\maketitle` Unlike `elsartclass`, `aparticle` does *not* use the environment `frontmatter`. Instead, use `\maketitle` like you do in the standard L<sup>A</sup>T<sub>E</sub>X article.

*Archives of Forensic Psychology* normally uses the “second type of frontmatter coding” [1]: the authors with the same affiliation are grouped together, and the affiliation follows the group.

`\tnoteref` As different from `elsarticle`, the frontmatter commands *do not allow footnotes inside their arguments*. Thus the commands `\tnoteref`, `\corref`, `\fnref` are not allowed and produce errors. Please do not use them.

`\author*` Of course, there should be a way to show the corresponding author of the manuscript. For this purpose the command `\author` has a starred form `\author*`:

```
\author*{John Doe} % Corresponding author
\address{George Mason University, Mailstop 76A12,
         Fairfax, VA, 22030, USA,
         \path{jdoe@gmu.edu}}
\author{Alexander Hamilton} % Other author
\address{George Washington University}
```

Please note that the journal requires the corresponding author to indicate her full mailing address and e-mail.

`\shortauthors` L<sup>A</sup>T<sub>E</sub>X automatically puts the names of the authors into a running head on even pages. Sometimes when the list of authors is too large, it does not fit there. In this case put after all `\author` definitions the line

```
\renewcommand{\shortauthors}{SHORT LIST}
```

for example,

```
\renewcommand{\shortauthors}{John Doe et. al.}
```

`\title` Unlike `\title` in the standard L<sup>A</sup>T<sub>E</sub>X and `elsarticle`, our `\title` has two arguments: the mandatory one and the optional one. The reason is, the class uses title for running heads on odd pages. If the title is too long, it may not fit, and then the optional argument is used for running heads:

```
\title{Notes on evidence} % Running head and title coincide
\title[Notes on evidence]{Some notes on evidence as presented to the
juries} % Running head and title are different
```

`\volumenumber` The macros `\volumenumber`, `\issuenumbrer`, `\publicationyear`, `\publicationmonth`,  
`\issuenumbrer` `\papernumber`, `\startpage`, `\endpage` set up the corresponding data for the pa-  
`\publicationyear` per, for example:

```
\publicationmonth \volumenumber{88}
\papernumber      \issuenumbrer{1--2}
\startpage        \publicationyear{2012}
\endpage          \publicationmonth{January--February}
                  \papernumber{2}
                  \startpage{1}
                  \endpage{39}
```

Note that if the argument of `\endpage` is empty, L<sup>A</sup>T<sub>E</sub>X tries to calculate the last page number as best as it can.

`\received` The macros `\received{<date>}`, `\revised{<date>}`, `\accepted{<date>}` are  
`\revised` used by the editorial staff for technical information about the paper. These macros  
`\accepted` can be repeated.

`\doinumber` Normally you do not need to set the DOI of the paper: T<sub>E</sub>X 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{<12.234/afp.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{../evidence/rules_of_evidence}
```

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.

## 2.3 Back matter

`\printbackmatter` The last command of the article must be `\printbackmatter`. It prints the technical information about the paper.

## 2.4 Sectioning

The class uses unnumbered sections, subsections and subsubsections. Never use period (.) at the end of the title: it is not allowed for sections and subsections and is automatically added by subsubsections.

### 2.4.1 Tables and Figures

You may use tables and figures in the manuscript. Remember that table caption must *precede* the table while figure captions follow the contents.

## 2.5 Bibliography

The class uses `apacite` [2] for bibliography with `natbibapa` option. The format of the bibliographic commands is described in the manuals [2] and [3]. Basically you need the commands `\citet{<key>}` for textual citations like “John Doe (2012) wrote that...” and `\citep{<key>}` for parentetical citations like “As shown in the literature (John Doe, 2012)...”.

If you use `BIBTEX`, add to your file `\bibliography{<bibfiles>}` and `\bibliography{apacite}`. For manual bibliographies you must use APA6 citation style.

## 3 Implementation

### 3.1 Auxillary Macros

AFP@DisableMacro Some commands are disabled

```
1 \def\AFP@DisableMacro#1{\ClassError{afparticle}{The macro
2   \expandafter\protect\csname#1\endcsname\space
3   is disabled}{The command
4   \expandafter\protect\csname#1\endcsname\space
5   is introduced in the
6   elsarticle class.\MessageBreak It is disabled in afpartcile
7   class}}
```

\@nx From amsart

\@xp

\@ifnotempty

```
8 \let\@xp=\expandafter
9 \let\@nx=\noexpand
10 \long\def\@ifempty#1{\@xifempty#1@@..\@nil}
11 \long\def\@xifempty#1#2#3#4#5\@nil{%
12   \ifx#3#4\@xp\@firstoftwo\else\@xp\@secondoftwo\fi}
13 \long\def\@ifnotempty#1{\@ifempty{#1}{}}
```

\@nxandlist This is from amsart:

```
14 \newtoks\@emptytoks
15 \def\@andlista#1#2\and#3\and{\@andlistc{#2}\@ifnotempty{#3}{%
16   \@andlistb#1{#3}}}%
17 \def\@andlistb#1#2#3#4#5\and{%
18   \@ifempty{#5}{%
19     \@andlistc{#2#4}%
20   }{%
21     \@andlistc{#1#4}\@andlistb{#1}{#3}{#3}{#5}%
22   }}
23 \let\@andlistc\@iden
24 \newcommand{\nxandlist}[4]{%
25   \def\@andlistc##1{\toks@\@xp{\the\toks@##1}}%
26   \toks@\{\toks@\@emptytoks \@andlista{{#1}{#2}{#3}}}%
27   \the\@xp\toks@#4\and\and
28   \edef#4{\the\toks@}%
29   \let\@andlistc\@iden}
```

\@@and The final ‘and’ in the list

```
30 \def\@@and{and}
```

\author@andify Again amsart

```
31 \def\author@andify{%
32   \nxandlist {\unskip ,\penalty-1 \space\ignorespaces}%
33   {\unskip } \@and~}%
34   {\unskip ,\penalty-2 \space\@@and~}%
35 }
```

## 3.2 Options

We use `xkeyval`: right now our options do not have values, but we may change this.

```
36 \RequirePackage{xkeyval}
```

`AFP@OptionWarning` We disable some options and issue a warning:

```
37 \def\AFP@OptionWarning#1{\ClassWarning{afparticle}{The option #1 is
38   not used for afparticle. I will silently ignore it}}
```

The suppressed options:

```
39 \DeclareOptionX{3p}{\AFP@OptionWarning{\CurrentOption}}%
40 \DeclareOptionX{5p}{\AFP@OptionWarning{\CurrentOption}}%
41 \DeclareOptionX{authoryear}{\AFP@OptionWarning{\CurrentOption}}%
42 \DeclareOptionX{number}{\AFP@OptionWarning{\CurrentOption}}%
43 \DeclareOptionX{sort&compress}{\AFP@OptionWarning{\CurrentOption}}%
```

All non-suppressed options are passed to `elsarticle`:

```
44 \DeclareOptionX*{\PassOptionsToClass{\CurrentOption}{elsarticle}}
```

And executing options:

```
45 \ProcessOptionsX
```

## 3.3 Loading Classes and Packages

We want to prevent loading of `natbib`

```
46 \@namedef{ver@natbib.sty}{-}
47 \@namedef{opt@natbib.sty}{round,authoryear}
48 \newlength\bibsep
```

We use `elasrticle` since it has nice features for front matter:

```
49 \LoadClass[1p,authoryear,round]{elsarticle}
```

We need `lastpage` for last page calculations, `fancyhdr` for our headings, `hyperref` for references and `caption` for caption formatting.

```
50 \RequirePackage{lastpage,fancyhdr}
51 \RequirePackage{caption}
52 \RequirePackage{booktabs}
53 \RequirePackage{graphicx}
54 \RequirePackage[hyperfootnotes=false,colorlinks,allcolors=blue]{hyperref}
```

And now we do want `natbib`!

```
55 \expandafter\let\csname ver@natbib.sty\endcsname=\@undefined
56 \let\bibsep=\@undefined
57 \RequirePackage[natbibapa]{apacite}
```

### 3.4 Front Matter

`\abstract` We do not use the word “abstract” for abstract

`\tnoteref` This macro is disabled.  
58 `\def\tnoteref#1{\AFP@DisableMacro{tnoteref}}`

`\corref` This macro is disabled.  
59 `\def\corref#1{\AFP@DisableMacro{corref}}`

`\fnref` This macro is disabled.  
60 `\def\fnref#1{\AFP@DisableMacro{fnref}}`

`\title` This is from amsart:  
61 `\renewcommand*{\title}[2] [] {\gdef\shorttitle{#1}\gdef\@title{#2}}`  
62 `\edef\title{\@nx\@dblarg`  
63 `\@xp\@nx\csname\string\title\endcsname}`

`\ifAFP@corrauthor` This checks whether this author is the corresponding author  
64 `\newif\ifAFP@corrauthor`

`\authors` We store in `\authors` the list of authors separated by `\and`.  
65 `\def\authors{}`

`\shortauthors` Initially we define `\shortauthors` as `\authors`, but the user can redefine it.  
66 `\def\shortauthors{\authors}`

`\author` First, check whether this author is the corresponding author.  
67 `\def\author{%`  
68 `\@ifstar{\AFP@corrauthortrue\AFP@author}{\AFP@corrauthorfalse\AFP@author}}`

`\AFP@author` The macro `\AFP@author` is our version of the standard `\autor` macro  
69 `\def\AFP@author{\@ifnextchar[{\@@author}{\@author}}`

`\@@author` This typesets an author with some footnotes  
70 `\def\@@author[#1]#2{%`  
71 `\ifx\@empty\authors`  
72 `\gdef\authors{#2}%`  
73 `\else`  
74 `\g@addto@macro\authors{\and#2}%`  
75 `\fi`  
76 `\g@addto@macro\elsauthors{%`  
77 `\normalsize\upshape`  
78 `\def\baselinestretch{1}%`  
79 `\authorsep#2\unskip}%`  
80 `\ifAFP@corrauthor`  
81 `\g@addto@macro\elsauthors{\textsuperscript{\ast$}}\fi`  
82 `\g@addto@macro\elsauthors{%`  
83 `\textsuperscript{#1}%`



```

84     \@for\@affmark:=#1\do{%
85         \edef\affnum{\@ifundefined{X\@affmark}{1}{\elsRef{\@affmark}}}%
86         \unskip\sep\affnum\let\sep=,%
87         \ifx\@fnmark\@empty\else\unskip\sep\@fnmark\let\sep=,\fi
88         \ifx\@corref\@empty\else\unskip\sep\@corref\let\sep=,\fi
89     }%
90     \def\authorsep{\unskip,\space}%
91     \global\let\sep\@empty\global\let\@corref\@empty
92     \global\let\@fnmark\@empty}%
93     \@eadauthor={#2}
94 }

```

`\@author` No footnote marks after the author:

```

95 \def\@author#1{%
96     \ifx\@empty\authors
97         \gdef\authors{#1}%
98     \else
99         \g@addto@macro\authors{\and#1}%
100    \fi
101 \g@addto@macro\elsauthors{\normalsize%
102     \def\baselinestretch{1}%
103     \upshape\authorsep#1}
104 \ifAFP@corrauthor
105 \g@addto@macro\elsauthors{\textsuperscript{\ast}}\fi
106 \g@addto@macro\elsauthors{%
107     \def\authorsep{\unskip,\space}%
108     \global\let\@fnmark\@empty
109     \global\let\sep\@empty}%
110     \@eadauthor={#1}
111 }

```

`\@address` We redefine `elsarticle` macro to change the vertical spacing

```

112 \long\def\@address#1{\g@addto@macro\elsauthors{%
113     \def\baselinestretch{1}\def\addsep{\par\vskip4pt}%
114     \addsep\footnotesize\itshape#1%
115     \def\authorsep{\par\vskip16pt}}}

```

The next lines are from `resphilosophica` class

`\paperUrl` The url to submit to crossref

```

116 \def\paperUrl#1{\gdef\@paperUrl{#1}}
117 \paperUrl{}

```

`\@mainrpi` The stream for the rpi file:

```

118 \newwrite\@mainrpi

```

`\RESP@write@paper@info` This writes the information about the paper into the file `jobname.rpi`. Note that `hyperref` makes our life a little bit more complex

```

119 \def\RESP@write@paper@info{%

```

```

120 \bgroup
121 \if@filesw
122   \openout\@mainrpi\jobname.rpi%
123   \write\@mainrpi{\relax}%
124   \ifx\r@LastPage\@undefined
125     \edef\@tempa{\start@page}%
126   \else
127     \def\@tempb##1##2##3##4##5{##2}%
128     \edef\@tempa{\expandafter\@tempb\r@LastPage}%
129   \fi
130   \def\and{\string\and\space}%
131   \protected@write\@mainrpi{%
132     {\string\articleentry{\authors}{\@title}{\start@page}{\@tempa}}%

```

The next lines are for crossref software

```

133   \protected@write\@mainrpi{%
134     {\@percentchar authors=\authors}%
135   \protected@write\@mainrpi{%
136     {\@percentchar title=\@title}%
137   \protected@write\@mainrpi{%
138     {\@percentchar year=\currentyear}%
139   \protected@write\@mainrpi{%
140     {\@percentchar volume=\currentvolume}%
141   \protected@write\@mainrpi{%
142     {\@percentchar issue=\currentissue}%
143   \protected@write\@mainrpi{%
144     {\@percentchar paper=\currentpaper}%
145   \protected@write\@mainrpi{%
146     {\@percentchar startpage=\start@page}%
147   \protected@write\@mainrpi{%
148     {\@percentchar endpage=\@tempa}%
149   \protected@write\@mainrpi{%
150     {\@percentchar doi=\doinumber}%
151   \ifx\@paperUrl\@empty\else
152     \protected@write\@mainrpi{%
153       {\@percentchar paperUrl=\@paperUrl}%
154   \fi
155   \closeout\@mainrpi
156   \fi
157 \egroup}

```

`\maketitle` Our macro is simpler than that of `elsarticle`, since we have fewer options.

```

158 \def\maketitle{%
159   \null\bigskip\par
160   \iflongmktitle\getSpaceLeft
161     \global\setbox\els@boxa=\vsplit0 to \@tempdima
162     \box\els@boxa\par\resetTitleCounters
163     \printFirstPageNotes
164     \box0%
165   \else

```

```

166     \finalMaketitle\printFirstPageNotes
167     \fi
168     \RESP@write@paper@info
169     \author@andify\authors
170     \xdef\authors{\authors}%
171     \gdef\thefootnote{\arabic{footnote}}%
172     \thispagestyle{firstpagestyle}%
173 }

\volume      This sets the volume of the paper
174 \def\volume#1{\gdef\currentvolume{#1}}
175 \volume{}

\issue       This sets the issue of the paper:
176 \def\issue#1{\gdef\currentissue{#1}}
177 \issue{}

\year        This sets the year of the paper
178 \def\year#1{\gdef\currentyear{#1}}
179 \year{}

\month       This sets the month of the paper
180 \newcommand\publicationmonth[2] []{\gdef\currentmonth{#2}}%
181 \gdef\abbrevcurrentmonth{#1}%
182 \ifx\abbrevcurrentmonth@empty\gdef\abbrevcurrentmonth{#2}\fi}
183 \publicationmonth{}

\paper       This is absent from the \issueinfo.
184 \def\paper#1{\gdef\currentpaper{#1}}
185 \paper{0000}
186 %
187 % \end{macro}
188 %
189 %
190 % \begin{macro}{\doinumber}
191 % \begin{macrocode}
192 \def\doinumber#1{\gdef@doinumber{#1}}
193 \doinumber{123.4567/archivesforensicpsychology.\currentyear.\currentvolume.\currentissue.\currentpage}

\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...
194 \def\startpage#1{\pagenumbering{arabic}\setcounter{page}{#1}}%
195 \gdef\start@page{#1}%
196 \ifnum\c@page<\z@ \pagenumbering{roman}\setcounter{page}{-#1}%
197 \gdef\start@page{\romannumeral#1}%
198 \fi}

```

`\endpage` This macro again has a twist in it: if the argument is not set, it calculates the last page number itself.

```
199 \def\endpage#1{\def\@tempa{#1}%
200 \ifx\@tempa\@empty\def\end@page{\pageref{LastPage}}%
201 \else\def\end@page{#1}\fi}
```

`\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.

```
202 \def\pagespan#1#2{\startpage{#1}\endpage{#2}}
203 \pagespan{1}{}
```

`\articleentry` 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 on an odd page, since the additional check

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

`\prevpaper` This sets the previous paper location and reads the information from the previous paper

```
208 \def\prevpaper#1{\IfFileExists{#1.rpi}{%
209 \ClassInfo{afparticle}{%
210 Reading first page number from the file #1.rpi}%
211 \input{#1.rpi}%
212 }{\ClassWarning{afparticle}{Cannot find the file #1.rpi.
213 Did you run latex on the previous paper?}}}
```

### 3.5 Back Matter

`\AFP@backmatter` The technical information about the paper.

```
214 \def\AFP@backmatter{}
```

`\received` Date of receiving

```
215 \def\received#1{\g@addto@macro\AFP@backmatter{Received: #1\\}}
```

`\revised` Date of receiving a revision

```
216 \def\revised#1{\g@addto@macro\AFP@backmatter{Revision Received: #1\\}}
```

`\accepted` Date of acceptance

```
217 \def\accepted#1{\g@addto@macro\AFP@backmatter{Accepted: #1\\}}
```

`\printbackmatter` Print the back matter

```
218 \def\printbackmatter{\ifx\AFP@backmatter\@empty\else\medskip
219 \begin{flushright}%
220 \AFP@backmatter
221 \end{flushright}%
222 \fi}
```

### 3.6 Page styles

In preprint mode `elsarticle` uses one side style. We want to override this:

```
223 \AtBeginDocument{\@twosidetrue}

\footskip We want generous \footskip
224 \setlength\footskip{40\p@}

\headrulewidth We do not want decorative rules in the journal:
\footrulewidth 225 \renewcommand{\headrulewidth}{0pt}
226 \renewcommand{\footrulewidth}{0pt}

standardpagestyle The page style for all pages but the first one
227 \fancypagestyle{standardpagestyle}{%
228   \fancyhead{}%
229   \fancyfoot{}%
230   \fancyfoot[R]{\thepage}%
231   \fancyhead[CE]{\scshape\MakeLowercase{\shortauthors}}%
232   \fancyhead[CO]{\scshape\MakeLowercase{\shorttitle}}%
233 }
234 \pagestyle{standardpagestyle}

firstpagestyle The page style for the first page
235 \fancypagestyle{firstpagestyle}{%
236   \fancyhead{}%
237   \fancyfoot{}%
238   \fancyfoot[R]{\thepage}%
239   \fancyhead[L]{\small Archives of Forensic Psychology\@
240     \currentyear, Vol.~\currentvolume, No.~\currentissue,
241     \thepage--\end@page}%
242   \fancyhead[R]{\small\textcopyright~\currentyear\ Global Institute of
243     Forensic Psychology\@ISBN~2334-2749}%
244 }
```

### 3.7 Paragraphing

```
\parindent We want generous indents
245 \setlength\parindent{2em}
```

### 3.8 Sectioning

```
secnumdepth We do not number sections
246 \setcounter{secnumdepth}{-1}

\section We center our sections:
247 \renewcommand\section{\@startsection {section}{1}{\z@}%
248   {18\p@ \@plus 6\p@ \@minus 3\p@}%
249   {9\p@ \@plus 6\p@ \@minus 3\p@}%
250   {\centering\normalsize\bfseries\boldmath}}
```

```

\subsection Our subsections look like sections, but flushed left
251 \renewcommand\subsection{\@startsection {subsection}{2}{\z@}%
252         {18\p@ \@plus 6\p@ \@minus 3\p@}%
253         {9\p@ \@plus 6\p@ \@minus 3\p@}%
254         {\normalsize\bfseries\boldmath}}

\subsubsection Our subsubsections are italicized and written on the same line as the text. Also,
they end with dots.
255 \renewcommand\subsubsection{\@startsection{subsubsection}{3}{0\z@}%
256         {0\z@}%
257         {-6\p@}%
258         {\normalfont\hspace*\{\parindent\}\itshape\@addfinaldot}}

\@addfinaldot Add a dot after a text
259 \def\@addfinaldot#1{#1.}

```

### 3.9 Floats

Setting up table captions

```

260 \DeclareCaptionLabelSeparator{periodNewline}{.\}
261 \captionsetup[table]{position=top, format=plain,
262     labelsep=periodNewline, justification=centering,
263     singlelinecheck=off, font=normalsize, textfont=it}

```

Setting up figure captions

```

264 \captionsetup[figure]{position=bottom, format=plain,
265     labelsep=period, justification=centering,
266     singlelinecheck=off, font=normalsize, labelfont=it}

```

### 3.10 Final Words

```

267 \tolerance=1
268 \emergencystretch=\maxdimen
269 \hyphenpenalty=10000
270 \hbadness=10000
271 \normalsize\normalfont
272 </class>

```

## References

- [1] Elsevier Ltd. *elsarticle.cls—A better way to format your documents*, 2009.
- [2] Eric Meijer. *The `apacite` Package. Citation and Reference List with L<sup>A</sup>T<sub>E</sub>X and BIB<sub>T</sub>E<sub>X</sub> According to the Rules of the American Psychological Association*, 2013. <http://mirrors.ctan.org/macros/latex/contrib/apacite>.
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