

A BibLaTeX Demonstration (plus the code)

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¹Zimmerman, “Could Extended Objects Be Made Out of Simple Parts? An Argument for “Atomless Gunk””.

²Ibid., p. 23.

Works Cited

Zimmerman, Dean W. “Could Extended Objects Be Made Out of Simple Parts? An Argument for “Atomless Gunk””. In: *Philosophy and Phenomenological Research* 56.1 (1996), pp. 1–29.

A The code

To get full footnote citations, you need to use the BibLaTeX package. This is kind of new package, at least relatively speaking. BibLaTeX reworks the way you work with your bibliography. You still create your basic bibliography database in a .bib file, but you no longer use BibTeX to work with that file in your paper.

What does this mean in practice? I guess the best way to see this is to see two sample files with a little bit of commentary.

A.1 A standard paper using BibTeX and natbib

A straightforward paper using BibTeX and natbib will include (1) a call to use the natbib package, (2) a command to set the citation style, (3) some citation commands in the text, (4) a declaration of the bibliography style, and (5) then a call to print the bibliography which specifies your .bib file.

Here is a snippet of a document that does all these things:

```
\usepackage{natbib} %(1)
\setcitestyle{authoryear,aysep={}} %(2)

\begin{document}

% Some text with a footnote citation:

Lorem ipsum dolor sit amet,\footnote{\citet{ZimmermanCEO}} %(3)

% The rest of the paper...

\bibliographystyle{Phil_Review} %(4)
\bibliography{mybib} %(5)
\end{document}
```

The output of this is just what you would expect, the ‘Lorem’ sentence with a footnote with the contents Zimmerman (1996), and then a bibliography in the Phil_Review style.

But this is just an inline citation stuck in a footnote. It isn’t quite what you were looking for in a footnote citation.

A.2 The BibLaTeX version

BibLaTeX does not use natbib. It has its own commands (fortunately, there is an option to make BibLaTeX compatible with the natbib commands in case you want to start using BibLaTeX with a work-in-progress). Our objective is to write footnote citations, so that is the only command I am going to talk about.

To use BibLaTeX, you do not need the bits I numbered (1)–(5) above. Here is what you do need:

1. A call to use the BibLaTeX package.
2. A specification of the BibLaTeX options you want.
3. A specification of which bibliography to use.
4. Some citation commands (specifically, for our purposes, instances of the `\footcite` command).
5. A call to print the bibliography (with the option to determine what that is called).

Here is the same paper above, but using the BibLaTeX commands instead of the natbib ones. (This is the code used in this document as well.)

```
\usepackage[style=authortitle-icomp,natbib=true,sortcites=true
,block=space]{biblatex} %(1) and (2)
\bibliography{mybib} %(3)

\begin{document}
% Some text with a footnote citation:

Lorem\footcite{ZimmermanCEO} ipsum dolor sit amet, consectetur
adipiscing elit. Quisque est elit, varius sed adipiscing
quis, consequat sed nibh.\footcite{ZimmermanCEO} %(4)

% The rest of the paper...
```

```
\printbibliography[title=Works Cited] %(5)
\end{document}
```

This will give you a document like the main document above. It gives you exactly what you would want in a footnote citation.

Now for a brief word about the options I specified when I called the BibLaTeX package:

style=authortitle-icomp This determines the style of both the citation and the bibliography. There are a number of other options. The `authortitle` bit tells BibLaTeX I want citations by author and title (surprise!); the `icomp` bit tells it to do two things: (1) print the author only once if I cite multiple papers by one author (e.g., `\footcite{LewisOWP,LewisNW}`), and (2) to use `ibid`, etc. when appropriate. If you want to turn the first off but keep the second, just use `authortitle-ibid`. If you want to turn the second off but keep the first, use `authortitle-comp`. And if you want to just use the author-title, use `authortitle`. There are *lots* of options for your citation style with BibLaTeX. See pp. 54–58 of the BibLaTeX documentation for a complete reference.

natbib=true This tells BibLaTeX that it needs to be willing to read my `natbib` commands. Without this, BibLaTeX won't know what to do with, e.g., my `\citet{}` commands.

sortcites=true If you cite two papers by an author in one command (e.g., `\footcite{LewisOWP,LewisNW}`), this option will make sure they appear in the right order. Specifically, it will order the citation in the way they are ordered in the bibliography. In the `authortitle` style, this is alphabetical and then by year. So I can cite things out of order and BibLaTeX will clean up after me.

block=space This sets the spacing between the entries in the bibliography. The `space` option duplicates the standard bibliography in a BibTeX bibliography, so that is what I use. There are other options. See page 43 of the BibLaTeX documentation for the others.

If you want to follow up on any of these or read more about BibLaTeX, the documentation is good, even if it is a bit overwhelming. Check it out at www.ctan.org/tex-archive/macros/latex/exptl/biblatex/doc/biblatex.pdf.