The `biblatex-ext` Bundle

Extensions for the `biblatex` standard styles

Moritz Wemheuer   **Version 0.4**
mwemheu@gmail.com   **10th June 2018**

Contents

1. Introduction

1.1. About

The `biblatex-ext` bundle provides an extended version of the standard styles that come with `biblatex`. For each standard style this bundle provides a style with the same name prefixed with `ext-` which can be used as a drop-in replacement for the standard style – for example, the replacement for `authoryear-icomp` is called `ext-authoryear-icomp`.

The aim of the styles of this bundle is to offer a simple interface to change some of the stylistic decisions made for the standard styles that would otherwise need cumbersome and tedious redefinitions. Additionally, some customisation features that were not deemed appropriate for inclusion in the `biblatex` kernel are provided. Other than that the styles are as close to the standard styles as possible. They do not attempt to offer options or commands for customisations that are already fairly simple to achieve with the tools provided by the standard styles.[1]

---

[1] Please be gentle and allow for a lot of wiggle room for what exactly 'simple' means. And don't get mad if the principle is not followed at all times and the occasional solution for things that already are 'simple enough' pop up here and there.

1

The initial motivation for this bundle was what has now become the option `inname-beforetitle`. It is fairly straighforward to print the name of the editor of an `@incollection` before the `booktitle`. But if one does not want to resort to clever tricks,[2] the modifications needed to do this in a stable, safe and clean manner by redefining the bibliography drivers can easily amass hundred lines of code – code you may not want to see in your preamble. Some contributed `biblatex` styles already place the editor in the desired position, but you may not want to commit to the other changes implied by switching to one of those styles. Especially styles written for the sole purpose of implementing the requirements of a particular style guide may have to go to great lengths to do so and are therefore not as easily modified as the standard styles. The styles of this bundle, on the other hand, try to stay as close to the standard styles as possible both in output and implementation to allow you to customise the styles with minimum additional effort over the standard styles.

A few words of warning: The styles of this bundle are only really useful if you want to use one of their features to avoid having to go through the lengthy and tedious redefinitions the standard styles would require. Before you get involved in modifying the standard styles or one of the styles of this bundle, you may want to have a look at the host of other styles available for `biblatex`,[3] maybe you are lucky and the style you are looking for has already been implemented by someone else. As was the intention, most methods to modify the standard styles are also applicable to the styles of this bundle, but you may break some of their features if you happen to modify something that the `ext-` styles redefine themselves. While many contributed `biblatex` styles are examples of good `biblatex` style coding, this can not be said of all of the files included in this bundle. Especially the citation styles for compact citations have to work harder to implement the citation delimiter feature properly. So if you want to get inspired for your `biblatex` coding, be warned that terrible things lurk in the `.cbx` files. The standard `.cbx` files will give you a much better impression of how things should be done.

1.2. Requirements

The use of the styles requires a current version of the `biblatex` package. At the time of writing the latest version of `biblatex` is 3.11 (dated 2018/02/20), that version is required for the styles to work properly. A warning will be issued if you use an older version. You may choose to ignore that warning, but the styles can not be guaranteed to work properly in that case: you might get other warnings or errors, and some features of the style might just fail silently.

Use of the Biber backend is strongly encouraged. Most of the new features of this bundle do not require Biber explicitly in their implementation, but many `biblatex` standard features only work properly with Biber.

---

[2]See https://tex.stackexchange.com/q/122218/ and https://tex.stackexchange.com/q/173638/ for example.

[3]https://www.ctan.org/topic/biblatex

1.3. Compatibility with earlier versions

In an ideal world all changes to the styles in this bundle would be fully backwards compatible. Unfortunately we do not live in this ideal world. Most changes to this bundle should introduce new features that have little relevant impact on existing functionality. But the occasional change may have more lasting consequences and may cause existing customisations to fail. In fact all changes have the potential to break someone's code, since `biblatex` styles have little to no distinction between public and internal code. Still, some changes are more likely to be problematic than others and those should be kept to a minimum. They can, however, be required to move development forward.

If possible, backwards compatiblity measures that allow old code to continue to work are in place. Sometimes that is not feasible and in those cases the next best solution is to warn if old code is used, so please check the log file for warnings – especially after an update. But at times not even that is possible, so it is always a good idea to consult the change history after an update and to examine the output with extra scrutiny. Higher-level changes are found in the revision history in section 6, more technical changes and commentary can be found in `CHANGES.md`, the full set of changes can be investigated by comparing the tagged and publicly available source code.

1.4. Installation

This style bundle is available on CTAN.[4] The current release is also available in MikTeX and TeX live 2018 or newer. If at all possible you should install this bundle via your TeX distribution (using MikTeX Console[5] or `tlmgr` for TeX live[6]). If you must install this package manually, get the files from CTAN and install the .bbx, .cbx and .def files preferably to `tex/latex/biblatex-ext` of your local or home TeX tree, the other files (`CHANGES.md`, `README.md`, `biblatex-ext.tex`, `biblatex-ext.pdf` and `biblatex-ext-examples.bib`) go into `doc/latex/biblatex-ext`. You may have to refresh your file name database afterwards, so TeX can find the files.

1.5. License

Permission is granted to copy, distribute and/or modify this software under the terms of the LaTeX Project Public License, version 1.3c[7] or (at your option) any later version[8]. This bundle is maintained by Moritz Wemheuer (©2017–2018).

---

[4]https://ctan.org/pkg/biblatex-ext
[5]https://miktex.org/howto/miktex-console
[6]https://www.tug.org/texlive/pkginstall.html
[7]https://www.latex-project.org/lppl/lppl-1-3c.txt
[8]https://www.latex-project.org/lppl.txt

1.6. Feedback

You can use the `biblatex-ext` project page on GitHub[9] to report bugs and submit suggestions and feature requests, or you can do so via email.

If you do not want to report a bug or request a feature, but are simply in need of assistance, you might want to consider posting your question on the `comp.text.tex` newsgroup or TeX – LaTeX Stack Exchange.[10] If after a consultation on one of these sites it turns out you have happened upon a bug or that you can formulate a request for a new feature that could be useful, please head over to GitHub or send me an email.

2. Use

The `biblatex-ext` bundle is a collection of `biblatex` style files. You can load the styles exactly as you would load the standard styles:

```
\usepackage[style=⟨style⟩]{biblatex}
```

The naming of the styles follows the scheme ext-⟨*standard style*⟩, e.g., the style corresponding to `authoryear-icomp` is called `ext-authoryear-icomp`.

This manual assumes familiarity with the concepts of `biblatex` and does not attempt to explain any of the standard `biblatex` features, so you may want to have the `biblatex` documentation[11] at hand to fully appreciate what is going on. If you are new to `biblatex` the three hundred odd pages of the manual can be hard to stomach at first, so you may want to have a look at a more gentle introduction. Of the many introductory texts and tutorials available on the internet[12] the author particularly likes Knut Hegna and Dag Langmyhr's *Local Guide to `biblatex`*[13] and Paul Stanley's `biblatex` *– An Easier Read*[14]. French speakers may want to consider Maïeul Rouquette's *(Xe)LaTeX Appliqué aux sciences humaines* available on CTAN[15]. If you read German you may be interested in Dominik Waßenhoven's two-part series *Bibliographien erstellen mit `biblatex`*[16] in *Die TeXnische Komödie* 2/2008[17] (pp. 53–75) and 4/2008[18] (pp. 31–51). Please keep in mind that some of these texts were written a while ago and that `biblatex` is actively developed: technical details may have changed and new features make some things easier.

---

[9] https://github.com/moewew/biblatex-ext
[10] https://tex.stackexchange.com/questions/tagged/biblatex
[11] http://mirrors.ctan.org/macros/latex/contrib/biblatex/doc/biblatex.pdf
[12] https://tex.stackexchange.com/q/13509/35864
[13] http://dag.at.ifi.uio.no/public/doc/biblatex-guide.pdf
[14] https://github.com/PaulStanley/biblatex-tutorial/releases
[15] https://ctan.org/pkg/latex-sciences-humaines
[16] http://biblatex.dominik-wassenhoven.de/dtk.shtml
[17] http://www.dante.de/DTK/Ausgaben/2008-2.pdf
[18] http://www.dante.de/DTK/Ausgaben/2008-4.pdf

3. Styles

This bundle provides an extended version of each standard style as well as a few new styles.

3.1. Standard styles

Please refer to the `biblatex` documentation[19] and the style examples[20] for a more detailed description of each standard style. The relations between the styles are exactly as in their standard counterparts. The `ext-` styles only build on top of the standard files.

ext-numeric An extended version of the standard `numeric` style for citations with numeric labels.

> [1, 2, 5, 6, 7]

ext-numeric-comp An extended version of the standard `numeric-comp` style. Similar to `ext-numeric`, but citation labels are compressed to give '[1–3]' instead of '[1, 2, 3]'.

> [1, 2, 5–7]

ext-numeric-verb An extended version of the standard `numeric-verb` style. This style is similar to the `numeric` style, but each citation label is in its own set of brackets: '[1], [2], [3]'.

> [1], [3], [5], [6], [7]

ext-alphabetic An extended version of the standard `alphabetic` style for citations with alphabetic labels derived from author name and year.

> [SR98, Knu86c]

ext-alphabetic-verb An extended version of the standard `alphabetic-verb` style. This style is based on `ext-alphabetic`, but like `ext-numeric-verb` places each citation label in its own pair of brackets: '[SR98], [Knu86c]'.

> [SR98], [Knu86c]

---

[19] http://mirrors.ctan.org/macros/latex/contrib/biblatex/doc/biblatex.pdf
[20] http://mirrors.ctan.org/macros/latex/contrib/biblatex/doc/examples/

ext-authoryear An extended version of the standard `authoryear` style for citations using author name and year.

> Sigfridsson and Ryde 1998

ext-authoryear-comp An extended version of the standard `authoryear-comp` style. The style is based on the author-year citations of `ext-authoryear`, but several works by the same author are compressed by not displaying the author multiple times: 'Knuth 1984, 1986' instead of 'Knuth 1984; Knuth 1986'.

> Knuth 1984, 1986

ext-authoryear-ibid An extended version of the standard `authoryear-ibid` style. This style is similar to `ext-authoryear`, but repeated citations are replaced with 'ibidem'.

> Knuth 1984   ibid.

ext-authoryear-icomp An extended version of the standard `authoryear-icomp` style. This style combines the two styles `ext-authoryear-comp` and `ext-authoryear-ibid`.

> Knuth 1984, 1986   Sigfridsson and Ryde 1998   ibid.

ext-authortitle An extended version of the standard `authortitle` style for citations by author and title.

> Maron, *Animal Triste*

ext-authortitle-comp An extended version of the standard `authortitle-comp` style. This style is based on `ext-authortitle` and compresses several citations by the same author just like `ext-authoryear-comp`: 'Aristotle, *Physics*, *Poetics*' instead of 'Aristotle, *Physics*; Aristotle, *Poetics*'.

> Aristotle, *Physics*, *Poetics*

ext-authortitle-ibid An extended version of the standard `authortitle-ibid` style. This style is similar to `ext-authortitle`, but replaces repeated citations of the same work with 'ibidem'.

> Maron, *Animal Triste*   ibid.

ext-authortitle-icomp   An extended version of the standard `authortitle-icomp` style. This style combines `ext-authortitle-comp` and `ext-authortitle-ibid`.

> Aristotle, *Physics*, *Poetics*   Maron, *Animal Triste*   ibid.

ext-authortitle-terse   An extended version of the standard `authortitle-terse` style. This style is similar to `ext-authortitle`, but the title is omitted in citations if there is only one work by the relevant author.

> Sigfridsson and Ryde   Aristotle, *Physics*; Aristotle, *Poetics*

ext-authortitle-tcomp   An extended version of the standard `authortitle-tcomp` style. This style combines `ext-authortitle-terse` and `ext-authortitle-comp`.

> Sigfridsson and Ryde   Aristotle, *Physics*, *Poetics*

ext-authortitle-ticomp   An extended version of the standard `authortitle-ticomp` style. This style combines `ext-authortitle-terse`, `ext-authortitle-comp` and `ext-authortitle-ibid`.

> Aristotle, *Physics*, *Poetics*   Sigfridsson and Ryde   ibid.

ext-verbose   An extended version of the standard `verbose` style. This style shows the full bibliographic reference the first time a work is cited.

ext-verbose-ibid   An extended version of the standard `verbose-ibid` style. Based on `ext-verbose`, repeated citations to the same work are replaced with 'ibidem'.

ext-verbose-note   An extended version of the standard `verbose-note` style. Based on `ext-verbose` and intended for use in footnotes, subsequent citations link back to the footnote the entry was cited at first and in full.

ext-verbose-inote   An extended version of the standard `verbose-inote` style. Similar to `verbose-note`, but repeated citations to the same work are replaced with 'ibidem'.

ext-verbose-trad1   An extended version of the standard `verbose-trad1` style. This style makes extensive use of scholarly abbreviations and is otherwise similar to `ext-verbose`.

ext-verbose-trad2   An extended version of the standard `verbose-trad2` style. The style is similar to `ext-verbose-inote` and uses scholarly abbreviations to shorten citations.

ext-verbose-trad3   An extended version of the standard `verbose-trad3` style. This style is similar to `ext-verbose-trad2`.

3.2. New styles

The following styles are not mere extensions of a particular standard style, instead they implement new combinations of the concepts available in the standard styles.

ext-authoryear-terse   An author-year citation style that suppresses years for author lists with only one work in the bibliography. This style is like `ext-authortitle-terse`, but it is based on `ext-authoryear` and not on `ext-authortitle`.

> Sigfridsson and Ryde   Knuth 1984   Knuth 1986

ext-authoryear-tcomp   A compact author-year citation style that suppresses years for author lists with only one work in the bibliography. This style is like `ext-authortitle-tcomp`, but it is based on `ext-authoryear` and not on `ext-authortitle`.

> Sigfridsson and Ryde   Knuth 1984, 1986

ext-authoryear-ticomp   A compact author-year citation style with 'ibidem' function that suppresses years for author lists with only one work in the bibliography. This style is like `ext-authortitle-ticomp`, but it is based on `ext-authoryear` and not on `ext-authortitle`.

> Sigfridsson and Ryde   ibid.   Knuth 1984, 1986

4. Options

All options of the `biblatex` package are supported and each style supports the options of its standard counterpart.

4.1. General options

Additionally, all styles support the following options in global, per-type and per-entry scope. The default values are such that the styles can be used as drop-in replacement for the standard files without significant changes in output.

articlein=true, false   default: true

Whether or not to display 'in:' before the journal information in @article entries. All other entry types are not affected by this option.

> **articlein=true**
>
> Sigfridsson, Emma and Ulf Ryde (1998). 'Comparison of methods for deriving atomic charges from the electrostatic potential and moments'. In: *Journal of Computational Chemistry* 19.4, pp. 377–395.
>
> Westfahl, Gary (2000b). 'The True Frontier. Confronting and Avoiding the Realities of Space in American Science Fiction Films'. In: *Space and Beyond. The Frontier Theme in Science Fiction.* Ed. by Gary Westfahl. Westport, Conn. and London: Greenwood, pp. 55–65.

> **articlein=false**
>
> Sigfridsson, Emma and Ulf Ryde (1998). 'Comparison of methods for deriving atomic charges from the electrostatic potential and moments'. *Journal of Computational Chemistry* 19.4, pp. 377–395.
>
> Westfahl, Gary (2000b). 'The True Frontier. Confronting and Avoiding the Realities of Space in American Science Fiction Films'. In: *Space and Beyond. The Frontier Theme in Science Fiction.* Ed. by Gary Westfahl. Westport, Conn. and London: Greenwood, pp. 55–65.

`citexref`=true, false   default: `false`

This option controls if `@inbook`, `@incollection` and `@inproceedings` entries that are tied to a parent entry with `xref` or `crossref` should cite their parent in the bibliography if the parent is listed in the bibliography as a separate entry. With the default setting `citexref=false` the parent is not cited, the entry is shown as in the standard styles. If the option is set to `true`, the block following the 'in:' is replaced by a citation to the parent entry. The option itself does *not* cause the parent entry to be added to the bibliography, this needs to happen either explicitly by citing the parent (this includes `\nocite`) or implicitly via the `minxrefs` or `mincrossrefs` option.

> **citexref=true**
>
> Westfahl, Gary (2000b). 'The True Frontier. Confronting and Avoiding the Realities of Space in American Science Fiction Films'. In: Westfahl 2000a, pp. 55–65.

> **citexref=false**
>
> Westfahl, Gary (2000b). 'The True Frontier. Confronting and Avoiding the Realities of Space in American Science Fiction Films'. In: *Space and Beyond. The Frontier Theme in Science Fiction.* Ed. by Gary Westfahl. Westport, Conn. and London: Greenwood, pp. 55–65.

innamebeforetitle=true, false   default: `false`

> Whether or not the `editor` should be moved before the `booktitle` field for `@inbook`, `@in-collection` and `@inproceedings` entries.

> > **innamebeforetitle=true**
> >
> > Pines, Shlomo (1979). 'The Limitations of Human Knowledge According to Al-Farabi, ibn Bajja, and Maimonides'. In: Isadore Twersky, ed. *Studies in Medieval Jewish History and Literature.* Cambridge, Mass.: Harvard University Press, pp. 82–109.

> > **innamebeforetitle=false**
> >
> > Pines, Shlomo (1979). 'The Limitations of Human Knowledge According to Al-Farabi, ibn Bajja, and Maimonides'. In: *Studies in Medieval Jewish History and Literature.* Ed. by Isadore Twersky. Cambridge, Mass.: Harvard University Press, pp. 82–109.

innameidem=true, false   default: `false`

> Whether or not the `editor` of the `booktitle` for the entry types `@inbook`, `@incollection` and `@inproceedings` is replaced by 'idem' in case the `editor` and `author` name lists coincide. This option only has an effect if `innamebeforetitle` is set to `true`.

> > **innameidem=true**
> >
> > Gaonkar, Dilip Parameshwar (2001b). 'On Alternative Modernities'. In: idem, ed. *Alternative Modernities.* Ed. by Dilip Parameshwar Gaonkar. Durham and London: Duke University Press, pp. 1–23.

> > **innameidem=false**
> >
> > Gaonkar, Dilip Parameshwar (2001b). 'On Alternative Modernities'. In: Dilip Parameshwar Gaonkar, ed. *Alternative Modernities.* Ed. by Dilip Parameshwar Gaonkar. Durham and London: Duke University Press, pp. 1–23.

maintitleaftertitle=true, false   default: `false`

> Whether or not the `maintitle` is printed after the `title` or `booktitle` of the work. If `maintitleaftertitle` is `true`, the `volume` field will be printed with the `volumeof` format.

> > **maintitleaftertitle=true**
> >
> > Knuth, Donald E. (1984). *The T$_E$X book.* Vol. A of *Computers & Typesetting*. Reading, Mass.: Addison-Wesley.

```
maintitleaftertitle=false
```

Knuth, Donald E. (1984). *Computers & Typesetting*. Vol. A: *The TEX book.* Reading, Mass.: Addison-Wesley.

4.2. Style-specific options

The `dashed` option of the `authoryear-` and `authortitle`-like bibliography styles allows for finer control over the dashes now.

`dashed`=`true, false, fullhash, bibnamehash`   default: `true`

> This option controls whether or not recurring lists of authors/editors in the bibliography are replaced with a dash. The standard values `true` and `false` are still valid and give the exact same output as in the standard styles. This means that the output is fully compatible with the standard styles. The new values `fullhash` and `bibnamehash` differ in how exactly they determine if a list of authors/editors is the same as the previous.
>
> | | |
> |---|---|
> | `true` | An alias for `fullhash`. |
> | `false` | Disable this feature. |
> | `bibnamehash` | Replace recurring name lists with a dash. Compare name lists using `bibnamehash`, taking into account only names that are actually listed in the bibliography account. |
> | `fullhash` | Replace recurring name lists with a dash. Compare name lists using `fullhash`, taking into account all names in the list, even those that are truncated and do not appear in the bibliography. |

Assuming `maxnames=1` and no name list disambiguation (`uniquelist=false`), the four entries

```
@book{appleby:civ,
  author  = {Humphrey Appleby},
  title   = {On the Importance of the Civil Service},
  date    = {1980},
}

@book{appleby:abl,
  author  = {Humphrey Appleby},
  title   = {On the Ablative in Greek},
  date    = {1982},
}

@book{elk:bronto,
  author = {Elk, Anne and Hacker, James and Rumpo, Syd},
```

```
    title   = {On the Theory of Brontosauruses},
    date    = {1972},
}

@book{elk:einio,
    author  = {Elk, Anne and Hacker, James and Pode, Eric},
    title   = {On the Theory of Einiosauruses},
    date    = {1973},
}
```

give

dashed=false

Appleby, Humphrey (1980). *On the Importance of the Civil Service.*
Appleby, Humphrey (1982). *On the Ablative in Greek.*
Elk, Anne et al. (1972). *On the Theory of Brontosauruses.*
Elk, Anne et al. (1973). *On the Theory of Einiosauruses.*

dashed=bibnamehash

Appleby, Humphrey (1980). *On the Importance of the Civil Service.*
— (1982). *On the Ablative in Greek.*
Elk, Anne et al. (1972). *On the Theory of Brontosauruses.*
— (1973). *On the Theory of Einiosauruses.*

dashed=fullhash

Appleby, Humphrey (1980). *On the Importance of the Civil Service.*
— (1982). *On the Ablative in Greek.*
Elk, Anne et al. (1972). *On the Theory of Brontosauruses.*
Elk, Anne et al. (1973). *On the Theory of Einiosauruses.*

With `dashed=bibnamehash` the dash replaces the name list if they are indistinguishable in the bibliography, while with `dashed=fullhash` the lists are only replaced if they are indistinguishable in the data source.

The `introcite` option is available for the bibliography styles of the `authoryear` and `authortitle` family. It can not be used with citation styles of the `verbose` family.

`introcite`=false, plain, label   default: false

This option controls whether or not the citation label is repeated in the bibliography. There are two possible output formats.

false	Do not show the citation label in the bibliography.
plain	Show the citation label at the beginning of an entry.
label	Show the citation label as the label of a list similar to the numeric or alphabetic styles.

The difference between plain and label is that the former simply prints the citation label at the beginning of the entry, while the latter prints the citation label similar to the item labels in a list or the numeric labels in a numeric bibliography.

---

introcite=false

Knuth, Donald E. (1984). *Computers & Typesetting*. Vol. A: *The TEX book*. Reading, Mass.: Addison-Wesley.

Knuth, Donald E. (1986a). *Computers & Typesetting*. Vol. B: *TEX: The Program*. Reading, Mass.: Addison-Wesley.

Sigfridsson, Emma and Ulf Ryde (1998). 'Comparison of methods for deriving atomic charges from the electrostatic potential and moments'. In: *Journal of Computational Chemistry* 19.4, pp. 377–395.

---

introcite=plain

Knuth 1984: Knuth, Donald E. (1984). *Computers & Typesetting*. Vol. A: *The TEX book*. Reading, Mass.: Addison-Wesley.

Knuth 1986a: Knuth, Donald E. (1986a). *Computers & Typesetting*. Vol. B: *TEX: The Program*. Reading, Mass.: Addison-Wesley.

Sigfridsson and Ryde 1998: Sigfridsson, Emma and Ulf Ryde (1998). 'Comparison of methods for deriving atomic charges from the electrostatic potential and moments'. In: *Journal of Computational Chemistry* 19.4, pp. 377–395.

---

introcite=label

Knuth 1984	Knuth, Donald E. (1984). *Computers & Typesetting*. Vol. A: *The TEX book*. Reading, Mass.: Addison-Wesley.
Knuth 1986a	Knuth, Donald E. (1986a). *Computers & Typesetting*. Vol. B: *TEX: The Program*. Reading, Mass.: Addison-Wesley.
Sigfridsson and Ryde 1998	
	Sigfridsson, Emma and Ulf Ryde (1998). 'Comparison of methods for deriving atomic charges from the electrostatic potential and moments'. In: *Journal of Computational Chemistry* 19.4, pp. 377–395.

The label produced by the plain option can be customised as follows.

`\introcitepunct` The punctuation insterted between the label and the rest of the entry with `introcite=plain`. The default value is a colon followed by a space.

> Sigfridsson and Ryde 1998: Sigfridsson, Emma and Ulf Ryde (1998). 'Comparison of methods for deriving atomic charges from the electrostatic potential and moments'. In: *Journal of Computational Chemistry* 19.4, pp. 377–395.

`bbx:introcite:plain:keeprelated` This toggle controls whether or not the citation label is also repeated for default related entries. The default value `false` suppresses the label for related entries.

> `\togglefalse{bbx:introcite:plain:keeprelated}` (default)
>
> Vizedom and Caffee 1960: Vizedom, Monika B. and Gabrielle L. Caffee, trans. (1960). *The Rites of Passage.* University of Chicago Press. Trans. of Arnold van Gennep. *Les rites de passage.* Paris: Nourry, 1909.

> `\toggletrue{bbx:introcite:plain:keeprelated}`
>
> Vizedom and Caffee 1960: Vizedom, Monika B. and Gabrielle L. Caffee, trans. (1960). *The Rites of Passage.* University of Chicago Press. Trans. of van Gennep 1909: Arnold van Gennep. *Les rites de passage.* Paris: Nourry, 1909.

Note that the implementation of some related types automatically suppresses the introcite label – or rather, does not add the label in the first place. That means that the resulting bibliography should be checked for consistency if the toggle is set to `true`.

The `label` option can be configured to not allow the label to run into the remaining bibliography entry thus creating the appearance of a tabular-like bibliography. The citation label is not broken across lines, instead it moves the entry text into the next line with `\introcitebreak` if the width of the citation is greater than `\introcitewidth`.

`\introcitewidth` The maximum width of the citation label. The initial value is 8 times `\biblabelsep`.

`\introcitesep` This length sets the minimal space between the end of the citation label and the beginning of the rest of the entry. The initial value is `\biblabelsep`.

`\introcitebreak` The command to execute if a citation label exceeds `\introcitewidth`. The default is `\leavevmode\newline`.

Lengths for `introcite=label`

Coleridge 1983

Coleridge, Samuel Taylor (1983). *The collected works of Samuel Taylor Coleridge*. Vol. 7.2: *Biographia literaria, or Biographical sketches of my literary life and opinions*. Ed. by Kathleen Coburn, James Engell and W. Jackson Bate. Bollingen Series 75. London: Routledge and Kegan Paul.

`\introcitesep`

Geer 1985 Geer, Ingrid de (1985). 'Earl, Saint, Bishop, Skald – and Music. The Orkney Earldom of the Twelfth Century. A Musicological Study'. PhD thesis. Uppsala: Uppsala Universitet.

`\introcitewidth`

Sigfridsson and Ryde 1998

Sigfridsson, Emma and Ulf Ryde (1998). 'Comparison of methods for deriving atomic charges from the electrostatic potential and moments'. In: *Journal of Computational Chemistry* 19.4, pp. 377–395.

`introcite=label` with empty `\introcitebreak`

Coleridge 1983   Coleridge, Samuel Taylor (1983). *The collected works of Samuel Taylor Coleridge*. Vol. 7.2: *Biographia literaria, or Biographical sketches of my literary life and opinions*. Ed. by Kathleen Coburn, James Engell and W. Jackson Bate. Bollingen Series 75. London: Routledge and Kegan Paul.

Geer 1985   Geer, Ingrid de (1985). 'Earl, Saint, Bishop, Skald – and Music. The Orkney Earldom of the Twelfth Century. A Musicological Study'. PhD thesis. Uppsala: Uppsala Universitet.

`introcite=label` with `\introcitewidth` set to zero and `\introcitesep` equal to `\bibhang`

Geer 1985

Geer, Ingrid de (1985). 'Earl, Saint, Bishop, Skald – and Music. The Orkney Earldom of the Twelfth Century. A Musicological Study'. PhD thesis. Uppsala: Uppsala Universitet.

Sigfridsson and Ryde 1998

Sigfridsson, Emma and Ulf Ryde (1998). 'Comparison of methods for deriving atomic charges from the electrostatic potential and moments'. In: *Journal of Computational Chemistry* 19.4, pp. 377–395.

The appearance of the citation label can be customised mostly as if it were produced by

a true citation command called \bbx@introcite. The delimiter context is bbx@introcite, the inner citation delimiters can be accessed as bbx@introcite as well. The label does not have outer citation delimiters, you can use the wrapper field format bbx@introcite instead. In fact this approach is more versatile than the outer citation delimiter feature (see the discussion in section 5.3). The default settings for \bbx@introcite emulate the output of \cite.

Example customisations for `introcite=plain`

```
\DeclareFieldFormat{bbx@introcite}{\mkbibbrackets{#1}}
\DeclareDelimFormat[bbx@introcite]{nameyeardelim}{\addcomma\space}
\UndeclareInnerCiteDelims{bbx@introcite}
\renewcommand*{\introcitepunct}{\quad}
```

- -

[Sigfridsson and Ryde, 1998]   Sigfridsson, Emma and Ulf Ryde (1998). 'Comparison of methods for deriving atomic charges from the electrostatic potential and moments'. In: *Journal of Computational Chemistry* 19.4, pp. 377–395.

Example customisations for `introcite=label`

```
\DeclareFieldFormat{bbx@introcite}{\mkbibbold{#1}}
\DeclareDelimFormat[bbx@introcite]{nameyeardelim}{\addspace}
\DeclareInnerCiteDelims{bbx@introcite}{\bibopenparen}{\bibcloseparen}
\setlength{\introcitewidth}{0pt}
\setlength{\introcitesep}{\bibhang}
```

- -

Coleridge (1983)
   Coleridge, Samuel Taylor (1983). *The collected works of Samuel Taylor Coleridge.* Vol. 7.2: *Biographia literaria, or Biographical sketches of my literary life and opinions.* Ed. by Kathleen Coburn, James Engell and W. Jackson Bate. Bollingen Series 75. London: Routledge and Kegan Paul.
Geer (1985)
   Geer, Ingrid de (1985). 'Earl, Saint, Bishop, Skald – and Music. The Orkney Earldom of the Twelfth Century. A Musicological Study'. PhD thesis. Uppsala: Uppsala Universitet.

If you are using an author-year citation style together with `introcite=label` or `introcite=label`, you may be interested in combining this with `bibstyle=ext-authortitle` instead to move the year back to the end of the entry.

> **`introcite=label` with `style=ext-authoryear` and `bibstyle=ext-authortitle`**
>
> Geer 1985
> > Geer, Ingrid de. 'Earl, Saint, Bishop, Skald – and Music. The Orkney Earldom of the Twelfth Century. A Musicological Study'. PhD thesis. Uppsala: Uppsala Universitet, 1985.
>
> Sigfridsson and Ryde 1998
> > Sigfridsson, Emma and Ulf Ryde. 'Comparison of methods for deriving atomic charges from the electrostatic potential and moments'. In: *Journal of Computational Chemistry* 19.4 (1998), pp. 377–395.

5. Further Customisations

Aside from the new options mentioned in the last section the styles of this bundle also offer additional field formats, punctuation and delimiter commands, a new citation delimiter interface and a few new bibliography macros.

The citation delimiter interface is a novel feature of `biblatex-ext`, but for the other subsections familiarity with the underlying `biblatex` concepts is assumed. Some of this is easier understood by looking at the source code directly, so it might not be a bad idea to have `ext-standard.bbx` open when perusing this section of the manual.

5.1. Field formats

In a few places where the standard styles employ hard-coded formatting directives the styles of this bundle offer customisable formats instead. Field formats can be modified with `\DeclareFieldFormat`.

biblabeldate The format for the labeldate in the bibliography for `authoryear`-like styles. The default is to wrap the date in round brackets.

> Sigfridsson, Emma and Ulf Ryde (1998). 'Comparison of methods for deriving atomic charges from the electrostatic potential and moments'. In: *Journal of Computational Chemistry* 19.4, pp. 377–395.

biblistlabeldate Like biblabeldate, but for bibliography lists created by `\printbiblist`. The default is to use the same format as biblabeldate.

issuedate The format of the `issue` and `date` information for `@article`s. By default this block is wrapped in round brackets.

> Sigfridsson, Emma and Ulf Ryde (1998). 'Comparison of methods for deriving atomic charges from the electrostatic potential and moments'. In: *Journal of Computational Chemistry* 19.4 (1998), pp. 377–395.

volumeof The format for the `volume` of a `maintitle` used when `maintitleaftertitle=true`.

> Knuth, Donald E. (1984). *The TEX book*. Vol. A of *Computers & Typesetting*. Reading, Mass.: Addison-Wesley.

titlecase:title The standard styles follow an all-or-nothing approach when it comes to title casing. The field format titlecase intended to enable sentence case with `\MakeSentenceCase*` is applied to all title-like fields alike. Finer control over the title casing of each field could require involved code.[21] The field format titlecase:title is applied to the fields `title` and `subtitle`. By default this field format is an alias for titlecase.

titlecase:booktitle Like titlecase:title, but controls the title casing of the `booktitle` and `booksubtitle` fields.

titlecase:maintitle Like titlecase:title, but controls the title casing of the `maintitle` and `mainsubtitle` fields.

titlecase:journaltitle Like titlecase:title, but controls the title casing of the `journaltitle` and `journalsubtitle` fields.

titlecase:issuetitle Like titlecase:title, but controls the title casing of the `issuetitle` and `issuesubtitle` fields.

The citetitle field format can be used to change the title case in author-title citations, so there is no citetitle:labeltitle.

> **Default output for titlecase field formats**
>
> Shore, Bradd (Mar. 1991). 'Twice-Born, Once Conceived. Meaning Construction and Cultural Cognition'. In: *American Anthropologist*. New ser. 93.1, pp. 9–27.

> **Example changes to titlecase field formats**
>
> ```
> \DeclareFieldFormat{titlecase:title}{\MakeSentenceCase*{#1}}
> \DeclareFieldFormat{titlecase:journaltitle}{#1}
> ```
> -
> Shore, Bradd (Mar. 1991). 'Twice-born, once conceived. Meaning construction and cultural cognition'. In: *American Anthropologist*. New ser. 93.1, pp. 9–27.

---

[21] https://tex.stackexchange.com/a/22981/

5.2. Punctuation

The package provides the following commands to modify the delimiters and punctuation between fields. Normal punctuation commands should be redefined with \renewcommand, while context-sensitive commands marked with context sensitive should be redefined with \DeclareDelimFormat. A short overview over common punctuation commands defined by biblatex-ext as well as standard biblatex in an example bibliography can be found in appendix A.

\innametitledelim   Similar to \nametitledelim, but for names after the 'in:' if innamebeforetitle is   context sensitive
true. The default value is that of \nametitledelim for all contexts. Since the definition of \nametitledelim is different for the delimiter contexts bib and biblist, you may have to use the optional argument to redefine the delimiter.[22]

> Pines, Shlomo (1979). 'The Limitations of Human Knowledge According to Al-Farabi, ibn Bajja, and Maimonides'. In: Isadore Twersky, ed. *Studies in Medieval Jewish History and Literature*. Cambridge, Mass.: Harvard University Press, pp. 82–109.

Since \nametitledelim and \innametitledelim are independent, the following output is easily achieved. Note that the optional argument to \DeclareDelimFormat is used to make sure the definitions apply to the bibliography and bibliography lists contexts, this is necessary because these contexts have special pre-defined values that would otherwise not be redefined.

> **Example customisations for \innametitledelim**
>
> ```
> \ExecuteBibliographyOptions{innamebeforetitle=true}
> \DeclareDelimFormat[bib,biblist]{nametitledelim}{\addcolon\space}
> \DeclareDelimFormat[bib,biblist]{innametitledelim}{\addcomma\space}
> ```
>
> -
>
> Gaonkar, Dilip Parameshwar, ed. (2001a)**:** *Alternative Modernities*. Durham and London: Duke University Press. ISBN: 0-822-32714-7.
> – (2001b)**:** 'On Alternative Modernities'. In: Dilip Parameshwar Gaonkar, ed.**,** *Alternative Modernities*. Durham and London: Duke University Press, pp. 1–23. ISBN: 0-822-32714-7.

\maintitletitledelim   The punctuation between the maintitle and title or booktitle of a work if maintitleaftertitle is false. The default is \newunitpunct.

---

[22]The author admits that it is somewhat pointless to make \innametitledelim context sensitive. But the obvious parallels with \nametitledelim were too tempting. It is probably too late now.

> Knuth, Donald E. (1984). *Computers & Typesetting*.␣Vol. A: *The TEX book*. Reading, Mass.: Addison-Wesley.

\voltitledelim The punctuation between the `volume` and `title` or `booktitle` of a work if `maintitle-aftertitle` is `false`. The default is a colon followed by a space.

> Knuth, Donald E. (1984). *Computers & Typesetting*. Vol. A:␣*The TEX book*. Reading, Mass.: Addison-Wesley.

\titlemaintitledelim The punctuation between the `title` or `booktitle` and `maintitle` of a work if `maintitleaftertitle` is `true`. The default is `\newunitpunct`.

> Knuth, Donald E. (1984). *The TEX book*.␣Vol. A of *Computers & Typesetting*. Reading, Mass.: Addison-Wesley.

\jourvoldelim The delimiter between the `journaltitle` and `volume` fields for `@article` if no `series` is present. The default is a space.

> Sigfridsson, Emma and Ulf Ryde (1998). 'Comparison of methods for deriving atomic charges from the electrostatic potential and moments'. In: *Journal of Computational Chemistry*␣19.4 (1998), pp. 377–395.

\jourserdelim The delimiter between the `journaltitle` and `series` fields for `@article`. The default is `\newunitpunct`.

> Reese, Trevor R. (1958). 'Georgia in Anglo-Spanish Diplomacy, 1736–1739'. In: *William and Mary Quarterly*.␣3rd ser. 15 (1958), pp. 168–190.
> Shore, Bradd (1991). 'Twice-Born, Once Conceived. Meaning Construction and Cultural Cognition'. In: *American Anthropologist*.␣New ser. 93.1 (Mar. 1991), pp. 9–27.

\servoldelim The delimiter between the `series` and `volume` fields for `@article`. The default is `\jourvoldelim`.

> Reese, Trevor R. (1958). 'Georgia in Anglo-Spanish Diplomacy, 1736–1739'. In: *William and Mary Quarterly*. 3rd ser. 15 (1958), pp. 168–190.
>
> Shore, Bradd (1991). 'Twice-Born, Once Conceived. Meaning Construction and Cultural Cognition'. In: *American Anthropologist*. New ser. 93.1 (Mar. 1991), pp. 9–27.

\volnumdatedelim   The delimiter between the `volume`, `number` block and the date information for `@article`. The default is a space.

> Sigfridsson, Emma and Ulf Ryde (1998). 'Comparison of methods for deriving atomic charges from the electrostatic potential and moments'. In: *Journal of Computational Chemistry* 19.4 (1998), pp. 377–395.

\volnumdelim   The delimiter between `volume` and `number` for `@article`. The default is a dot.

> Sigfridsson, Emma and Ulf Ryde (1998). 'Comparison of methods for deriving atomic charges from the electrostatic potential and moments'. In: *Journal of Computational Chemistry* 19.4, pp. 377–395.

\sernumdelim   The delimiter between `series` and `number` for `@book`- and `@inbook`-like entries. The default is a space.

> Coleridge, Samuel Taylor (1983). *The collected works of Samuel Taylor Coleridge.* Vol. 7.2: *Biographia literaria, or Biographical sketches of my literary life and opinions.* Ed. by Kathleen Coburn, James Engell and W. Jackson Bate. Bollingen Series 75. London: Routledge and Kegan Paul.

\locdatedelim   The delimiter between `location` and `date`. The default is a comma followed by a space.

> Jaffé, Philipp, ed. (1885–1888). *Regesta Pontificum Romanorum ab condita ecclesia ad annum post Christum natum* MCXCVIII. Red. by Samuel Loewenfeld, Ferdinand Kaltenbrunner and Paul Ewald. 2nd ed. 2 vols. Leipzig, 1885–1888.

\locpubdelim   The delimiter between `location` and `publisher/organization/institution`. The default is a colon followed by a space.

> Knuth, Donald E. (1984). *Computers & Typesetting*. Vol. A: *The TEX book*. Reading, Mass.**:**␣Addison-Wesley, 1984.

`\publocdelim` The delimiter between `publisher/organization/institution` and `location`. The default is a comma followed by a space. This delimiter is not used by the default style, since the standard order of fields is `location, publisher/organization/institution, date`. You could use `\publocdelim` if you changed the order of these fields to `publisher/organization/institution, location date` with

```
\renewbibmacro*{pubinstorg+location+date}[1]{%
  \printlist{#1}%
  \setunit*{\publocdelim}%
  \printlist{location}%
  \setunit*{\locdatedelim}%
  \usebibmacro{date}%
  \newunit}
```

> Knuth, Donald E. (1984). *Computers & Typesetting*. Vol. A: *The TEX book*. Addison-Wesley**,**␣Reading, Mass.**,**␣1984.

`\pubdatedelim` The delimiter between `publisher/organization/institution` and `date`. The default is a comma followed by a space.

> Knuth, Donald E. (1984). *Computers & Typesetting*. Vol. A: *The TEX book*. Reading, Mass.: Addison-Wesley**,**␣1984.

`\extradateonlycompcitedelim` Similar to `\compcitedelim`, but indended for use between compressed   context sensitive
citations where the second is an `extradate` only. The default is a comma (*not* followed by a space).

> Knuth 1986a**,**b

5.3. Delimiters for citation commands

The delimiters for citation commands provided by the styles of this bundle offer a simple way to customise the bracketing of citation commands.

The citation commands `\cite`, `\parencite` and `\textcite` come with two sets of delimiters: A pair of *outer delimiters* wrapped around the resulting citation in its entirety

and a pair of *inner delimiters* that sets off certains bits of the citation label from other information. An example for outer delimiters would be the round brackets of `\parencite` for `authoryear`-like styles or the square brackets of `\cite` for `numeric`- or `alphabetic`-like styles. Inner delimiters would be the round brackets in `\textcite` around the year for `authoryear` or around the title for `authortitle`. See table 1 for more details.

The delimiters are set up to work as paired delimiters, but you are free to use non-matching pairs or to leave the opening or closing delimiter empty. If you want to add punctuation, the context-sensitive delimiters `nameyeardelim`, `nametitledelim` and friends as well as the context-insensitive `\postnotedelim` and friends are more approriate. Although the outer delimiters can be set up using `\DeclareCiteCommand`'s optional ⟨*wrapper*⟩ argument for most styles, this is not possible for all styles. Inner delimiters can be set up with `\DeclareFieldFormat` in some styles, but other styles need more intricate implementations. This means that the commands discussed here can be used to place the citations between delimiters, but not natively to pass the result of a citation to a wrapper command as an argument.

Table 1: Outer and inner citation delimiters by style. If the style does not use the delimiters by default, ⟨ and ⟩ are substituted in the appropriate place.

	Citation command		
Style family	\cite	\parencite	\textcite
alphabetic	[Knu84]	[Knu84]	⟨Knuth [2]⟩
numeric	[2]	[2]	⟨Knuth [2]⟩
authortitle	⟨Knuth, ⟨T_EXbook⟩⟩	(Knuth, ⟨T_EXbook⟩)	⟨Knuth (T_EXbook)⟩
authoryear	⟨Knuth ⟨1984⟩⟩	(Knuth ⟨1984⟩)	⟨Knuth (1984)⟩

`\DeclareOuterCiteDelim`{⟨*cite command*⟩}{⟨*opening delimiter*⟩}{⟨*closing delimiter*⟩}

Sets up the outer delimiters for the citation command \⟨*cite command*⟩. The name of the ⟨*cite command*⟩ is given without leading backslash in the argument, it normally corresponds to the delimiter context.

Note that outer citation delimiters are often hard-coded so they usually do not respond to delimiter context alises. Inner citation delimiters, on the other hand, usually follow delimiter context aliases. This may lead to initially surprising results if aliases are used.

You may use almost any input for ⟨*opening delimiter*⟩ and ⟨*closing delimiter*⟩ as long as typesetting of '⟨*opening delimiter*⟩text⟨*closing delimiter*⟩' does not lead to errors when arbitrary grouping such as '{⟨*opening delimiter*⟩text}⟨*closing delimiter*⟩' or '⟨*opening delimiter*⟩text{⟨*closing delimiter*⟩}' is introduced. It can not be guaranteed that the opening and closing delimiters are executed at the same level of grouping, let alone in the same group. As men-

tioned above, this approach is not suitable to wrap the citation up in a wrapper command, i.e. to pass the entire output of the citation command as argument to a macro.

Instead of hard-coded (,), [and] their `biblatex` counterparts `\bibopenparen`, `\bibclose-` `paren`, `\bibopenbracket` and `\bibclosebracket` are preferable, since these commands respond to nesting and check if opening brackets are always closed.

`\DeclareOuterCiteDelimAlias{⟨cite alias⟩}{⟨cite command⟩}`
`\DeclareOuterCiteDelimAlias*{⟨cite alias⟩}{⟨cite command⟩}`

> Use the outer delimiters of \⟨*cite command*⟩ for \⟨*cite alias*⟩ as well. The unstarred version uses `\def` assignment while the starred version uses `\let`. This means that the starred version copies the values of the definitions at the time of executing the aliasing command, whereas the alias created by the unstarred version will only evaluate the delimiters whenever the citation command is called.

`\UndeclareOuterCiteDelims{⟨cite command⟩}`

> Completely remove the definitions of the outer delimiters for \⟨*cite command*⟩.

`\DeclareInnerCiteDelim{⟨cite command⟩}{⟨opening delimiter⟩}{⟨closing delimiter⟩}`

> Sets up the inner delimiters for the citation command \⟨*cite command*⟩.
>
> This command is similar to `\DeclareOuterCiteDelim` and the same restrictions for the arguments apply.
>
> Note that inner citation delimiters usually follow context delimiter aliases. Outer citation delimiters, on the other hand, do not respond to context delimiter aliases. This may lead to initially surprising results if aliases are used.

`\DeclareInnerCiteDelimAlias{⟨cite alias⟩}{⟨cite command⟩}`
`\DeclareInnerCiteDelimAlias*{⟨cite alias⟩}{⟨cite command⟩}`

> Use the inner delimiters of \⟨*cite command*⟩ for \⟨*cite alias*⟩ as well. The unstarred version uses `\def` assignment while the starred version uses `\let`. This means that the starred version copies the values of the definitions at the time of executing the aliasing command, whereas the alias created by the unstarred version will only evaluate the delimiters whenever the citation command is called.

`\UndeclareInnerCiteDelims{⟨cite command⟩}`

> Completely remove the definitions of the inner delimiters for \⟨*cite command*⟩.

`\RegisterCiteDelims{`⟨*modifier*⟩`}{`⟨*cite command*⟩`}`

Register a pair of ⟨*modifier*⟩ citation delimiters for \⟨*cite command*⟩. This command will define a delimiter wrapper command \mk⟨*modifier*⟩⟨*cite command*⟩s that places its argument between the opening delimiter \extblx@citedelim@⟨*cite command*⟩@⟨*modifier*⟩@open and the closing delimiter \extblx@citedelim@⟨*cite command*⟩@⟨*modifier*⟩@close. No error will be raised if the opening or closing delimiters are not defined, but an error will be raised if \mk⟨*modifier*⟩⟨*cite command*⟩s is already defined.

The styles of this bundle only use the values `outer` and `inner` for ⟨*modifier*⟩, but other values are possible. With `outer` and `inner` you can use `\DeclareOuterCiteDelim` or `\DeclareInnerCiteDelim` and friends to define the opening and closing delimiters, otherwise you need to define them manually.

All styles of `biblatex-ext` define the following wrapper commands

Table 2: Delimiter wrappers defined by `biblatex-ext`

| Citation command | Modifier | |
	Outer	Inner
\cite	\mkoutercitedelims	\mkinnercitedelims
\parencite	\mkouterparencitedelims	\mkinnerparencitedelims
\textcite	\mkoutertextcitedelims	\mkinnertextcitedelims
\footcite		\mkinnerfootcitedelims
\bbx@xrefcite	\mkouterbbx@xrefcitedelims	\mkinnerbbx@xrefcitedelims
'\bbx@introcite'		\mkinnerbbx@introcitedelims

The `authoryear` and `authortitle` styles have \parencite, e.g. (Knuth 1984), (Sigfridsson and Ryde 1998), set up with

```
\DeclareOuterCiteDelims{parencite}{\bibopenparen}{\bibcloseparen}
\DeclareInnerCiteDelims{parencite}{}{}
```

and \textcite, e.g. Knuth (1984), Sigfridsson and Ryde (1998), with

```
\DeclareOuterCiteDelims{textcite}{}{}
\DeclareInnerCiteDelims{textcite}{\bibopenparen}{\bibcloseparen}
```

If you wanted \parencite of `authoryear` to look like '[Sigfridsson and Worman (1998)]' you would use

```
\DeclareOuterCiteDelims{parencite}{\bibopenbracket}{\bibclosebracket}
\DeclareInnerCiteDelims{parencite}{\bibopenparen}{\bibcloseparen}
```

[Sigfridsson and Ryde (1998)] [Geer (1985); Worman (2002)] [Knuth (1984, 1986a,b)]

5.4. Selected bibliography macros

The following macros are defined in `ext-standard.bbx` and may make certain things easier to customise. Many of these macros are replacements for bare `\printfield` or `\printlist` in the bibliography drivers, or pack a frequently-used sequence of commands into one central place.

barevolume+volumes   A bibliography macro to print the `volume`, `part` and `volumes` fields for `@mvbook`-, `@book`- and `@inbook`-like entry types. If `maintitle` is defined, the `volume` and `part` fields will be printed by `maintitle+title` or `maintitle+booktitle` instead.

Knuth, Donald E. (1984–1986). *Computers & Typesetting*. 5 vols. Reading, Mass.: Addison-Wesley.

Matuz, Roger, ed. (1990). *Contemporary Literary Criticism*. Vol. 61. Detroit: Gale, pp. 204–208.

edition   A bibliography macro to print the `edition` field, this avoids a direct `\printfield{edition}` in the bibliography drivers.

in:editor(+others)   The bibliography macro to print the `editor` before the `booktitle` for `@inbook`, `@incollection` and `@inproceedings` when `innamebeforetitle` is set to `true`. The `\printname` uses the name format `ineditor`.

language   A bibliography macro to print the `language` field, this avoids a direct `\printlist{language}` in the bibliography drivers.

note   A bibliography macro to print the `note` field, this avoids a direct `\printfield{note}` in the bibliography drivers.

pubinstorg+location+date   A general-purpose bibliography macro to catch `publisher+location+date`, `institution+location+date` and `organization+location+date`. This bibliography macro has one mandatory argument: the name of a list field, sensible values are `publisher`, `institution` and `organization`.

```
\newbibmacro*{pubinstorg+location+date}[1]{%
  \printlist{location}%
  \iflistundef{#1}
    {\setunit*{\locdatedelim}}
    {\setunit*{\locpubdelim}}%
  \printlist{#1}%
  \setunit*{\pubdatedelim}%
  \usebibmacro{date}%
  \newunit}

\renewbibmacro*{publisher+location+date}{%
  \usebibmacro{pubinstorg+location+date}{publisher}}

\renewbibmacro*{institution+location+date}{%
  \usebibmacro{pubinstorg+location+date}{institution}}

\renewbibmacro*{organization+location+date}{%
  \usebibmacro{pubinstorg+location+date}{organization}}
```

type+number A bibliography macro to print the type and number fields.

6. Revision History

The GitHub repository of this project uses release tags, so you can compare the changes in source code there.[23] See also CHANGES.md.

0.4   2018-06-10

Renamed \DeclareOuterCiteDelim and friends to \DeclareOuterCiteDelims . . 5.3

Added \RegisterCiteDelims 5.3

Renamed 'virtual' cite command \bbx:introcite to \bbx@introcite 4.2

0.3   2018-06-04

Added titlecase:…title field formats 5.1

Added bbx:introcite:plain:keeprelated toggle 4.2

Added \jourvoldelim, \jourserdelim and \servoldelim 5.2

Improve documentation

0.2   2018-03-28

Rework lengths for introcite=label 4.2

---

[23]https://github.com/moewew/biblatex-ext/compare/

0.1a   2018-03-20

0.1   2018-03-18

First public release

Example References

Coleridge, Samuel Taylor (1983). *The collected works of Samuel Taylor Coleridge.*
Vol. 7.2: *Biographia literaria, or Biographical sketches of my literary life and opinions.*
Ed. by Kathleen Coburn, James Engell and W. Jackson Bate. Bollingen Series 75.
London: Routledge and Kegan Paul.

Gaonkar, Dilip Parameshwar, ed. (2001a). *Alternative Modernities.* Durham and
London: Duke University Press. ISBN: 0-822-32714-7.

– (2001b). 'On Alternative Modernities'. In: *Alternative Modernities.* Ed. by Dilip
Parameshwar Gaonkar. Durham and London: Duke University Press, pp. 1–23.
ISBN: 0-822-32714-7.

Geer, Ingrid de (1985). 'Earl, Saint, Bishop, Skald – and Music. The Orkney Earldom
of the Twelfth Century. A Musicological Study'. PhD thesis. Uppsala: Uppsala
Universitet.

Goossens, Michel, Frank Mittelbach and Alexander Samarin (1994). *The LaTeX
Companion.* 1st ed. Reading, Mass.: Addison-Wesley. 528 pp.

Jaffé, Philipp, ed. (1885–1888). *Regesta Pontificum Romanorum ab condita ecclesia
ad annum post Christum natum MCXCVIII.* Red. by Samuel Loewenfeld, Ferdinand
Kaltenbrunner and Paul Ewald. 2nd ed. 2 vols. Leipzig.

Knuth, Donald E. (1984–1986). *Computers & Typesetting.* 5 vols. Reading, Mass.:
Addison-Wesley.

– (1984). *Computers & Typesetting.* Vol. A: *The TEX book.* Reading, Mass.: Addison-
Wesley.

– (1986a). *Computers & Typesetting.* Vol. B: *TEX: The Program.* Reading, Mass.:
Addison-Wesley.

– (1986b). *Computers & Typesetting.* Vol. C: *The METAFONTbook.* Reading, Mass.:
Addison-Wesley.

Matuz, Roger, ed. (1990). *Contemporary Literary Criticism.* Vol. 61. Detroit: Gale,
pp. 204–208.

Moore, Gordon E. (1965). 'Cramming more components onto integrated circuits'. In: *Electronics* 38.8, pp. 114–117.

Pines, Shlomo (1979). 'The Limitations of Human Knowledge According to Al-Farabi, ibn Bajja, and Maimonides'. In: *Studies in Medieval Jewish History and Literature*. Ed. by Isadore Twersky. Cambridge, Mass.: Harvard University Press, pp. 82–109.

Reese, Trevor R. (1958). 'Georgia in Anglo-Spanish Diplomacy, 1736–1739'. In: *William and Mary Quarterly*. 3rd ser. 15, pp. 168–190.

Shore, Bradd (Mar. 1991). 'Twice-Born, Once Conceived. Meaning Construction and Cultural Cognition'. In: *American Anthropologist*. New ser. 93.1, pp. 9–27.

Sigfridsson, Emma and Ulf Ryde (1998). 'Comparison of methods for deriving atomic charges from the electrostatic potential and moments'. In: *Journal of Computational Chemistry* 19.4, pp. 377–395. DOI: `10.1002/(SICI)1096-987X(199803)19:4<377::AID-JCC1>3.0.CO;2-P`.

Vizedom, Monika B. and Gabrielle L. Caffee, trans. (1960). *The Rites of Passage*. University of Chicago Press. Trans. of Arnold van Gennep. *Les rites de passage*. Paris: Nourry, 1909.

Westfahl, Gary, ed. (2000a). *Space and Beyond. The Frontier Theme in Science Fiction*. Westport, Conn. and London: Greenwood.

– (2000b). 'The True Frontier. Confronting and Avoiding the Realities of Space in American Science Fiction Films'. In: *Space and Beyond. The Frontier Theme in Science Fiction*. Ed. by Gary Westfahl. Westport, Conn. and London: Greenwood, pp. 55–65.

Worman, Nancy (2002). *The Cast of Character. Style in Greek Literature*. Austin: University of Texas Press.

A. Punctuation Commands in Use

The following example bibliography shows some common punctuation commands in use. Commands provided by standard biblatex are marked in *\italics*, new commands defined by biblatex-ext are in **\bold**.

Punctuation and delimiters (defined by *standard biblatex* and biblatex-ext)

\nameyeardelim   *\nametitledelim*

Geer, Ingrid de (1985). 'Earl, Saint, Bishop, Skald – and Music. The Orkney Earldom of the Twelfth Century. A Musicological Study'. PhD thesis. Uppsala: Uppsala Universitet.

\multinamedelim   *\finalnamdelim*

Goossens, Michel, Frank Mittelbach and Alexander Samarin (1994). *The LaTeX Companion*. 1st ed. Reading, Mass.: Addison-Wesley, 1994. 528 pp.

\locpubdelim   **\pubdatedelim**

Knuth, Donald E. (1984). *Computers & Typesetting*. Vol. A: *The TEX book*. Reading, Mass.: Addison-Wesley, 1984.

\voltitledelim

\maintitletitledelim

Moore, Gordon E. (1965). 'Cramming more components onto integrated circuits'. In: *Electronics* 38.8, pp. 114–117.

\intitlepunct

\bibpagespunct   *\bibrangedash*

Sigfridsson, Emma and Ulf Ryde (1998). 'Comparison of methods for deriving atomic charges from the electrostatic potential and moments'. In: *Journal of Computational Chemistry* 19.4 (1998), pp. 377–395.

\jourvoldelim   **\volnumdelim**

\translatortypedelim

Vizedom, Monika B. and Gabrielle L. Cafee, trans. (1960). *The Rites of Passage*. University of Chicago Press. Trans. of Arnold van Gennep. *Les rites de passage*. Paris: Nourry, 1909.

\begrelateddelim

\editortypedelim

Westfahl, Gary, ed. (2000a). *Space and Beyond. The Frontier Theme in Science Fiction*. Westport, Conn. and London: Greenwood, 2000.

\newunitpunct

\bibnamedash   *\subtitlepunct*

– (2000b). 'The True Frontier. Confronting and Avoiding the Realities of Space in American Science Fiction Films'. In: *Space and Beyond. The Frontier Theme in Science Fiction*. Ed. by Gary Westfahl. Westport, Conn. and London: Greenwood, 2000, pp. 55–65.