

Using BibTeX-based ACM-style Referencing for The ACM Hypertext Conference (v3.2)

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ABSTRACT

Originally created as an aide for the ACM Hypertext Conference community, this is a test and demo document of the ACM's citation style. The aim is to give a better-documented and explained use of BibTeX-based referencing in the ACM style. The styling is generated using the ACM's L^AT_EX styling contained in the L^AT_EX package 'acmart'.

1 The aim of this document

The use of BibTeX for the preparation and formatting of one's references is strongly recommended, and is the normal (expected) method for referencing when using L^AT_EX.

If you are new to publishing with ACM, this document should help explain the basic use of **BibTeX**-based reference formatting and particular ACM variations on that.

If you have published with ACM before and using L^AT_EX, **please do not** simply copy/paste your old BibTeX file content into your current L^AT_EX project, but rather first review and correct old/outdated data using the guidelines offered below.

These notes should apply equally well to those either using the 'acmart' package with a locally installed L^AT_EX on their computer or if using Overleaf online. Any divergence from this general description will be noted where it (know to) occur. If some of the comments and suggestions seem arcane, they are there to avoid less-practised L^AT_EX users stumbling into compilation errors that can be hard to diagnose from the logs alone.

2 Background

Interacting with authors submitting to past Hypertext conferences, and creating the Proceedings makes it clear the existing ACM documentation of its house style is incomplete and not clearly written. At least, not *for the user*, i.e. authors—especially those not from a programming background.

This document addresses the ACM's desired citation styles as generated using the BibTeX-based usage of ACM styles. The ACM's existing web examples of BibTeX usage are offered online at <https://www.acm.org/publications/authors/bibtex-formatting>. However, these examples neither render without L^AT_EX errors nor are they consistent with the typeset examples given on ACM's page at <https://www.acm.org/publications/authors/reference-formatting>. These references give little practical guidance for the new ACM author who wants to produce a well-formed document in the ACM house style.

There are two problems to address here. Firstly, authors need to know which elements of BibTeX ACM intends to support. BibTeX is neither a formal standard nor formally maintained. But BibTeX is still key to reference formatting in L^AT_EX documents. Secondly, authors need clear instructions *per-citation type* about which BibTeX fields are *mandatory* and which other fields are still rendered or supplied.

*Note: To make this article, the author has drawn on contributions and feedback from across the Hypertext Conference's community.

This document is thus an attempt to give correct and more practical examples of the ACM’s reference citation styles and cover the Bib $\TeX$ reference types and data field that modify those in the standard ‘natbib’ package, on which the ACM package builds.

TL;DR—just show me the types style examples: please jump to Section 5.

2.1 Notes on $\LaTeX$ source materials used and challenges of using Overleaf

This article is written/rendered using Overleaf’s TeXLive 2025 baseline, with local files added from ‘acmart’ package version 2.19 to use the latest current ACM styling. Note that this document was originally devised using the ACM’s ‘acmart’ package as at v1.93, and has been updated since (see the Colophon, Section 8). The instructions herein *should* be valid for use with any ‘acmart’ versions v1.91 or later, but you are strongly advised to use the *current* ‘acmart’ package when writing your ACM papers. Be aware the package’s ‘.bst’ file’s heading metadata incorrectly implies that file was last edited for the v1.90 package, a more accurate indication of recent file edits is the listing at Table 1.

This project uses Overleaf, which seems to be becoming increasingly popular, especially for those using $\LaTeX$ only occasionally. A little-understood limitation of Overleaf is that whilst it has all the $\LaTeX$ packages they are fixed at the version supplied in the TeX Live distribution in use. The current (as at 4 September 2025) Overleaf TeX is TeX Live 2025, first released 8 March 2025. The TeX Live 2026 is released but as yet has not been adopted by Overleaf (this lags 3–6 months behind the public release of the annual TeX update.

2.1.1 Updating Overleaf built-in packages. Any package updated in CTAN (the Comprehensive TEX Archive Network) after 8 March 2025 will be behind current if used via the Overleaf baseline project. To ‘update’ to the current *acmart* version, copy the ‘.bst’ and ‘.cls’ files to the root of your project. More detail is in Tables 1 and 2. Updating other package files is outside the scope of this document but should be born in mind if needed for correct rendering. If updating much older projects, e.g. using a copy of an old project as base for a new one, open the Overleaf settings and check the compiler is for the latest release. Thus, at some point in mid/late 2026 the TeX Live 2026 will be added and could be selected, and so on in later years.

Any new projects which use the current TeX baseline, but use a template or a copy of an old project, will use the *acmart* distribution *as at time of first creation* or as updated by adding current version ‘.bst’ and ‘.cls’ files. For the latter it is a good idea to open the Overleaf menu (top left), check the TeX distribution and select the most recent if not already using it.

Therefore although ‘acmart’ has improved since then and TeX Live is now on a 2026 release (Overleaf 2026 adoption pending), default use of Overleaf will likely use Bib $\TeX$ styling as at package version v2.13. The underlying data is at Table 1.

ACM now offer, and appear to update with latest ‘.bst’ and ‘.cls’ files, a ‘*ACM Journals Primary Article Template project template*’¹. Despite the title, this project is intended for submission to ACM journals, magazines and conference uses.

2.1.2 A hack to ‘update’ ACM styling in Overleaf. Overleaf cannot update its ‘installed’ $\LaTeX$ packages. But, Overleaf support staff state that adding the newer package files to the root of an Overleaf project will cause those to be used instead of the baseline default. Experimenting with ‘acmart’ files it appears that for most use (i.e. except extreme

¹A time of writing: <https://www.overleaf.com/latex/templates/acm-journals-primary-article-template/cpkjqtwtbshg>.

customisation) adding just the *current* ‘.bst’ and ‘.bcs’ files will suffice (this is regardless of the Overleaf project’s baseline TeX distribution. Or use the aforementioned ACM preface template.

2.2 A lack of change notes

A big factor in confusion here is whilst the programmers maintaining *code* are commenting code, the ACM staff responsible for distribution/use of the package are failing to consider about what the end user needs to know: this is not the same group as those coding the package files. It is no longer plausible to assume that anyone using L^AT_EX is compiling everything for source. Use of acmart in Overleaf, for reasons explained here and in the Appendix, only make things even more confusing.

2.3 Using ACM styling in a non-paper

In order to demonstrate the formatting generated in ACM style, this document uses the ‘acmart’ package’s ‘authorversion’ and ‘nonacm’ document style options. This removes the ACM-branded boiler-plate and footers.

3 What about using Microsoft Word?

Sadly, those using Word rather than L^AT_EX are even worse off. The ACM’s Word plug-in is not well explained, installation instructions are unclear, its (style) rule validation widget is buggy, and its rules and logic are undocumented. There is also no guidance as to how to typeset references *within* Word using the ACM publishing style. Note that the role of the ACM’s Word plug-in is to allow the TAPS publishing system to convert the article into the L^AT_EX and XML the DLACM needs. It appears to be assumed the user has some other resource to guide typesetting the references. Sadly, the current best solution for Word users is to port their work to L^AT_EX and use that for submission. Improvements in Overleaf, and a WYSIWYG editing mode, make this less challenging than authors might assume.

However, the style descriptions in Section 7 include a ‘rendered’ version of BibTeX that should aid Word users to format their references.

4 Citations and Bibliographies

4.1 Adding a bibliography

Note: whilst BibTeX can be used inline in a L^AT_EX ‘.tex’ document, e.g. for simple testing, more normally such data is provided via a discrete ‘.bib’ file. That method will be the expectation when using instructions in the document.

To include a bibliography in your source document use these two commands, placed just before the `\end{document}` command in the ‘.tex’ document:

```
\bibliographystyle{ACM-Reference-Format}
\bibliography{bibfile}
```

The second command indicates the name of the external ‘.bib’ file of BibTeX data. Here, “bibfile” is the name, without the file extension, of that BibTeX file. Thus the code `\bibliography{sample-base}` implies a document using an associated BibTeX file ‘sample-base.bib’. The location of ‘.bib’ file is, by default, in the same source folder as the project’s main ‘.tex’ document.

The resulting bibliography is added at the end of the document beneath a title ‘References’ [sic].

4.2 Citation marker style

The ACM Hypertext Conference uses the numbered style of referencing. In-text citations are given as numbers (or lists of numbers) in square brackets: e.g. '[1]', '[1,2]'. In the bibliography, the references are numbered entries. The order is based on the last/family name of the first author. If the reference does not require an other or editor, the entry is sorted based its first word.

4.3 A BibTeX reference entry

Each discrete citation to be available for use forms a discrete reference 'entry' in a '.bib' file. Citations not used by the calling $\text{\LaTeX}$ documents are ignored, i.e. having extra entries in the source does not matter. In the same manner, the source may contain extra (field) that is not used in the BibTeX bibliography. However, be aware inclusion of some fields may result in unwanted text in the rendered reference. Within the BibTeX data the citekey always ends the opening line of a reference entry, following the type declaration. In code, a reference takes this form:

```
@typename{citekey,
    fieldname1 = {field value},
    fieldname2 = {field value},
    fieldname3 = {field value}!
}
```

Formally, the last fieldnameN line should have no trailing comma, but the parser is tolerant of this and no error is shown if a comma is detected. Ideally avoid rolling the dice on that.

The typename, citekey and filename strings are case-*insensitive*—but see Section 4.4 re citekey names. White space, except within field values is ignored (including tabs vs. spaces for indenting). Indenting lines with field data within a reference entry can help with reading the raw source data: leading spaces or tabs on a line are ignored.

4.4 The per-Reference 'citekey'

Within the '.bib' file, each discrete reference's record must have a *case-insensitively unique* citekey. The citekey's value is set via the author and can use A-Za-z0-9 characters as well as period, comma, forward-slash, comma and underscore. Although accented characters appear to be supported in citekeys², such usage is not advised. *Tip: avoid unnecessary use of characters that might confuse the $\text{\LaTeX}$ parser, or publishing back-end processes which are rarely updated, if at all, and so do not reflect more general standards of post-ASCII text use; updates mean spending money on maintenance.*

These citekeys are then used to place citation markers in the document's body text using ' $\backslash\text{cite}\{citekey\}$ ' macros.

To enclose multiple citations in the same brackets, e.g. '[1,15, 22]' use the normal $\backslash\text{cite}\{\}$ macro but insert multiple citekeys delimited by a comma between each: e.g. $\backslash\text{cite}\{bob:2012, carol:2004, ted:2014\}$.

If BibTeX data contains more than one entry with the same (*case-insensitive*) citekey value, only data from the *first*-matched instance of the citekey is used and the duplicates are ignored. Confusingly however, use of citekeys in $\text{\LaTeX}$ is *case-sensitive*, but this BibTeX-based restriction means it is better when making BibTeX data to treat citekeys as if case-insensitive in use.

One simple approach for trouble free citekey use, is to only use lowercase letters in citekey values, noting that they are only seen/used internally. Some publishers use the DOI as a citekey (so a citekey that makes a problem URL is another consideration). But, be aware some other publishers use the % character in their DOIs, so a DOI simply ported

²NOTE: as at 2026, Overleaf does not support diacritics in BibTeX.

to the BibTeX ‘doi’ field value without checking may generate rendering problems. Remember: a citekey is only unique for personal use: re-using citekeys in imported BibTeX data without checking will likely lead to hard to spot errors. Using a Reference Manager can help with this sort of hard-to-spot problem for manual data use.

4.5 Allowed Characters in BibTeX code

4.5.1 UTF-8 encoding. Current L^AT_EX supports Unicode so most Western diacritical are supported online. Instead of the older escaped form of non-ASCII characters, the literal UTF character should be used in the values of data fields. Thus, instead of the legacy coding like ‘Bj\^orn’, use the current form of ‘Bjørn’. If data from sources contains the legacy form, please correct any such usage to the current standard before use (publishers are often inattentive to updating their citation code). Some characters, e.g. double-byte Eastern languages *may* still need special handling. As well as helping oneself, and future self, this also ensures cleaner BibTeX code is being passed around for citation purposes.

4.5.2 L^AT_EX Special Characters. Although BibTeX ‘.bib’ files are written in UTF-8 plain text, the content is used in the overarching L^AT_EX code. Thus a small number of characters need special attention as they cannot be used in L^AT_EX without explicitly ‘escaping’ then, otherwise references may not process or render properly, or a more serious L^AT_EX processing error may occur.

Escaping is achieved by putting a backslash character immediately *before* the special character. Thus to use a literal ampersand character use ‘\&’ as opposed to an unescaped ‘&’. The special characters for both L^AT_EX and BibTeX are:

\$ % & { } _ ~ ^ \

Escaping is still needed in BibTeX data, e.g. in a ‘.bib’ file because such data is parsed as L^AT_EX.

4.5.3 Using Literal Backslashes in L^AT_EX. The backslash is the L^AT_EX and BibTeX escape character and cannot itself be escaped. Do not use a second backslash to escape a literal backslash—a double backslash actually encodes a text line break! Instead, use \textbackslash to insert a backslash into text. Leave a space after the code so the L^AT_EX sees the end of the code. That trailing space is not passed through to output so the following text joins onto the end. If a space is needed after the backslash, use \textbackslash\ as the trailing backslash ensures the next space is treated as a literal space.

4.5.4 URLs. Any URLs used in field values within BibTeX reference entries *must* escape any underscore characters (_). The character is not itself a problem in the BibTeX code but will error when the data is passed through into the main L^AT_EX file, and (see section above) an underscore is a special character. If easier, it is safe to escape all underscores in the Bib file.

4.5.5 BibTeX reserved characters. Only the @ symbol is a reserved character in BibTeX data, e.g. the content of a ‘.bib’ file. The symbol is used for a single purpose: to start a reference entry. Any other use of the character in the BibTeX of the Bib file will cause a compilation error. This also means the @ character *cannot* be escaped in BibTeX code (this scenario might just crop up if using a free-text note field).

4.5.6 Commenting in BibTeX code. Commenting in ‘.bib’ files is possible using a % (percent sign) to start a L^AT_EX-style comment. Such comments are seen only when looking at the source code, but best practice is to avoid comment in BibTeX if at all possible. If used, commenting *inside* an entry is definitely not supported. Therefore restrict any commenting to the white-space *between* reference entries.

4.6 Field value delimiters

Theoretically, a field value can be stated using one of 3 types of delimiter (none, double quotes, curly braces), i.e. any of the following:

```
fieldname = value ,
fieldname = "value",
fieldname = {value},
```

The field value **may not include** LaTeX special characters (see Section 4.5.2 above):

```
& \% \$ \# \_ \~\ \^ \ \{ \} \textbackslash
```

Of the formats above, only one is recommended for general use. This suggested choice is made as it best guards the non-expert BibTeX user from unexpected input errors:

```
fieldname3 = {field value}
```

Note: A new/occasional user sticking to curly braces will encounter fewer (no?) surprises. Those who may argue differently are likely to be sufficiently L^AT_EX-savvy as to not need this document or need to some unusual in-process transformations of field values that require one of the other formats above.

4.7 Author names

Authors' names should be stored complete—use full first names (“Donald E. Knuth”) not initials (“D. E. Knuth”)—as the ACM referencing style uses the first name in full. The styling code will contract names to initials where needed. In some cases, often names from older sources only an initial is known and has to be used. Getting this source information right only needs to be done once whilst the data can safely be used many times thereafter. Do not assume data copy/pasted from the Web is correct until you have checked it (either in the raw BibTeX or in your reference manager).

An (undocumented) change at some point in the rendered output of reference authors is they now cite *all* authors name (in full). Previously, four or more authors were listed as ‘First Name *et al.*’. This convention is still used for the population of the optional `\shortauthors{}` macro.

4.7.1 Fields to use. The main identifying features of a reference should always included: author(s), title, year. If there is no known date (e.g. for an ancient source) ‘nd’ or ‘n.d.’ (i.e. ‘no date’) may be used as a value to indicate the date is unknown rather than accidentally omitted.

4.8 DOIs

Much BibTeX development predates the Web (c.1993) and DOI URLs (c.2000). Thus copy/paste BibTeX sources often omit DOIs. However, if a DOI is known, it recommended it be included as a data field. Although not required, most (all?) ACM styles will use DOI data, if supplied, and add it as a working URL link into the output PDF. This makes it much easier for a user to follow/check a reference. If supplying a DOI, just the DOI value not the whole URL. Thus:

- Right: doi = 10.1145/3603163.3609048
- Wrong: doi = ~~https://doi.org/10.1145/3603163.3609048~~

Although ACM style examples for some styles omit a DOI, they normally support rendering a DOI if the source BibTeX supplies one. Therefore it is strongly suggested to *always supply a DOI for citation if one is known*. If nothing

else, these days both humans and AI agents want to look up the reference at source not read the ‘printed’ text. To use a DOI and separate discrete URL use the custom field `disticturl`, see Sections 5.3 and 7.46.

4.9 BibTeX-supplied Types and Fields

The range of types of reference (e.g. a journal vs. a book) and the individual fields used to describe references are covered in later sections of this document (see Section 5).

4.10 natbib vs. BibLaTeX Processing

By default, ACM uses the `natbib` package for processing references data in BIB files. Although the ‘`acmart`’ package does allow for the BibLaTeX processor to be used, this option is not endorsed or recommended. Furthermore the package’s documentation assumes use of the default `natbib`-based use. This does mean the reference types offered are trapped in the world of the late 1980s and thus things like the lack of explicit support for the `@online`—see Section 5.

4.11 Adding extra L^AT_EX packages

The ACM list at <https://authors.acm.org/proceedings/production-information/accepted-latex-packages> gives the packages already declared safe for use with the ACM’s ‘`acmart`’ package. Declaring use of other packages *may* work in L^AT_EX but cause submissions to ACM’s TAPS publishing system. If in doubt, ask the journal’s editors or the conference’s committee for guidance. Small custom entries in the head of the document such as for rendering a less-used currency symbol, ought not to be problematic.

Whether using approved or another packages, be aware that when using Overleaf the package version used will be that current when the T_EXLive baseline used by Overleaf was released. So, if needing more a recent version investigate how to update your project with more recent files (so they get used rather than the baseline version).

4.12 User Modifications to The ACM Templates

Note that modifying the template — including but not limited to: adjusting margins, typeface sizes, line spacing, paragraph and list definitions, and the use of the `\vspace` command to manually adjust the vertical spacing between elements of your work — is not allowed. This also applies to citation formatting.

NOTE: Your submitted document will likely be returned to you for revision if unauthorised modifications are discovered, such as adding additional unsanctioned L^AT_EX packages.

4.13 Typefaces

The “`acmart`” document class requires the use of the “Libertine” typeface family. Your T_EX installation should include this set of packages. Please do not substitute other typefaces. The “`lmodern`” and “`ltimes`” packages should not be used, as they will override the built-in typeface families.

5 Supported BibTeX Types

5.1 Default BibTeX Types

Under its default `natbib` mode, the style file (‘`.bst`’) in the ‘`acmart`’ package defines 13 discrete reference types. Note the type names are used *case-insensitively*; capitalisation here is for clarity only. Here is the list of types:

- `@article` (journal article)

- @book
- @conference (legacy - use @inproceedings instead)
- @inbook (a book chapter)
- @incollection (a titled section in a book compiled from discrete articles/stories)
- @inproceedings (a paper in a proceedings)
- @manual
- @mastersthesis
- @misc (default mapping for any undefined @type entry)
- @phdthesis
- @proceedings
- @techreport
- @unpublished

5.2 ACM ‘acmart’ Variances from The natbib Baseline

The ‘acmart’ package modifies the above list. The ‘natbib’ baseline @Booklet type is not custom-styled by the ‘acmart’. Additionally, the following non-natbib-standard types are defined by the ‘acmart’ package. These extra types can be used for ACM submissions if necessary. Note that, with the exception of @Periodical, the additional types are all mapped directly onto the @manual type, i.e. they use the latter’s pre-configured range of fields and styling, so the choice of type itself confers no additional styling. The custom types are:

- @ArtifactSoftware
- @ArtifactDataset
- @Dataset
- @Game
- @Online
- @Periodical
- @Software

All undefined types under ‘acmart’ are styled by using the default type (@misc), e.g a style like @unpublished or @patent.

As using @inbook for a book chapter omits the book’s title in the output, it is recommended to use @incollection instead.

5.2.1 Default Mapping of Undefined Types in Input. The @-prefixed types tell the BibTeX system to style a given entry in the ‘.bib’ data. If an entries’ type is not defined for the natbib parser is valid, that reference type will be handled using the ‘@misc’ type (see Section 7.20).

5.2.2 Further Customisation of Default natbib Styling. Custom BibTeX styling extensions like ‘acmart’) can both add/define new types or alter the styling of existing ones; they may also simply map a new or existing type onto another available type. This method of extending or altering default ‘natbib’ styling offers flexibility but also scope for confusion as extensions are often under-documented. These customisations are applied to the default natbib output so where custom styles occur they *replace* those defined by natbib.

No explanation is offered as to why ‘acmart’ maps the new open-ended types above to @manual rather than the natbib default of @misc. Both types essentially do far less type-related formatting, instead relying more of free-text input in optional fields, so the difference is likely not of consequence.

5.3 ACM-specific fields

The ‘acmart’ package employs two fields only used by the ACM:

- `lastaccessed`. Where a URL (`url` field) is used, ACM require the date of (last) access. this is because in some cases, e.g. a news website, content found at a URL may change over time. Whilst many sources of BibTeX data now use an ISO 8601 format date `yyyy-mm-dd`, the ACM wishes for as US-style month day ordered ‘month day, year’, e.g. ‘March 31, 2025’. Rendering via ‘acmart’ does not change the format of `lastaccessed` data.
- `distincturl`. This is used if the user wishes to indicate that both `doi` and `url` fields should be rendered. By default the URL is suppressed if there is a DOI. This method should not be used if the URL is the DOI’s full access URL. Instead the URL might point to addenda or supporting data. To be acknowledged, `distincturl` *must* have a value supplied: the value is not used but rather its presence. A worked example is shown in Section 7.46 and [3].

5.4 Field Choice and Values

In the listing below of reference types (see Section 7), some fields are notable for how they are used. The majority are used verbatim, i.e. the field’s value is use as supplied and not altered in any way. A few fields’ usage is worth specific note. Italics applied usually indicate the ‘book’ title or equivalent, e.g. the Journal or Conference name.

5.4.1 ‘author’. The author field may contain one or more authors. Author names take the form of first name in full (initial if insufficient info), initials for middle name(s), and last/family name: i.e. ‘John Q. Doe’ or ‘J. Q. Doe’ if full first name is not supplied. Ideally provide all parts of the author name, as the BibTeX parser will expand/contract name segments as needed. No longer used is the convention of general styles for one , two, three, or four+ authors: ‘Author1’, ‘Author1 & Author2’, ‘Author1, Author2 & Author3’, ‘Author4 *et al.*’ (see also Section 4.7).

5.4.2 ‘doi’ and ‘url’. Any DOI should be used in `doi` data as the DOI number and not as a fully formed URL; the $\LaTeX$ output will create the necessary DOI URL. For types where a DOI may be given, if `doi` and `url` values are encountered, only the `doi` data is used.

5.4.3 ‘lastaccessed’. The ‘acmart’ package has no notion of the commonly used `accessdate` field used for URLs and will not render the data. For online references needing an access date `lastaccessed` data must be provided. The expected date form is full month (in English), day and year: e.g. ‘April 2, 2023’, days are not zero-padded (‘2’ not ‘02’).

6 Examples of Types of References

This listing draws shows the examples explained in detail on the later part of this article (Section 6.2) into an easily scanned list. Each example, or pair of examples links to its relevant detailed explanation.

The source BibTeX code used for the examples below can be seen in the file ‘sample-base.bib’ which is provided alongside the document. Please view the file to see the correct ACM-style formatting in BibTeX.

Note. The reason the reference list appears to contain duplicates is many of the sources are cited using both an expected and a minimal set of source data fields. In most cases a ‘minimal’ version implies fewest

possible fields in that BibTeX entry without generating an error/warning during L^AT_EX compilation. The BibTeX sources also deliberately contain only those fields that will usefully render in to data used in the output reference.

6.1 Example Listing

The examples are:

- @article. (Section 7.1).
 - A paginated article in a journal [20]: using minimal input [21] (Section 7.2).
 - An enumerated article in a journal[48]: using minimal input [49] (Section 7.3).
 - A complete journal issue [14] using @article: using minimal input [15] (Section 7.4, q.v. Section 7.5).
 - A complete journal issue [12] using @periodical: using minimal input [13] (Section 7.5).
- @book. (Section 7.6).
 - A monograph (i.e. a whole book) [10]: using minimal input [11] (Section 7.7).
 - A volume of a multi-volume book [26]: using minimal input [27] (Section 7.8).
 - A divisible book (edited book, anthology or compilation) [34]: using minimal input [35] (Section 7.9).
 - An ebook [9] (Section 7.10).
- @inbook and @incollection (Section 7.12).
 - An article in a divisible book via @incollection [22]: using minimal input [23] (Section 7.12.1).
 - An article in a divisible book via @inbook [24]: using minimal input [25] (Section 7.12.2).
- @incollection (Section 7.13).
 - A discrete article in an edited book [29]: using minimal input [30] (Section 7.14).
- @inproceedings (Section 7.15).
 - A proceedings article, using continuous numbering, in a conference proceedings (conference, symposium or workshop)³ [7]: using minimal input [8] (Section 7.16).
 - A proceedings article, using per-article page numbering, in a conference proceedings⁴ (conference, symposium or workshop) [5]: using minimal input [6] (Section 7.17).
- @proceedings (Section 7.18).
 - A complete proceedings (conference, symposium or workshop)[4]: using minimal input [2] (Section 7.18).
- @misc (Section 7.20).
 - An ePrint item in arXiv [47] (Section 7.21).
 - Use of @misc for a patent [40] (Section 7.22).
 - Web page [50] (Section 7.23).
 - Online video [18] (Section 7.24).
 - Scanned eBook [33] (Section 7.25).
- @periodical (Section 7.26).
 - Periodical: an edited newsletter [39]: using minimal input [1]. (Section 7.27).
 - Periodical: a magazine [43]: using minimal input [44]. (Section 7.28).
- @online (Section 7.29).

³This is the type used for referencing past articles in the proceedings of the Hypertext Conference (or other conference proceedings), so the type most likely to be needed for past references.

⁴Used by the 2023 Hypertext Conference.

- Web page [28] (Section 7.30).
- Online video [19] (Section 7.31).
- @manual (Section 7.32).
 - A manual [38] (Section 7.33).
- @mastersthesis (Section 7.34).
 - Master’s thesis/dissertation [36]: using minimal input [37] (Section 7.35).
- @phdthesis (Section 7.36).
 - Doctoral dissertation/thesis [45]: using minimal input [46] (Section 7.37).
- @techreport (Section 7.38).
 - Technical Report [31]: using minimal input [32] (Section 7.39).
- @unpublished (Section 7.40).
 - An unpublished book chapter [16] (Section 7.41).
 - An unpublished article [17] (Section 7.42).
- @booklet (Section 7.43).
 - A booklet [41]: using minimal input [42] (Section 7.44).
- Other @types (Section 7.45).
- Using both DOI and URL [3](Section 7.46).

6.2 Formats explained by BibTeX Type

This section is quite dense, so if looking for details of a particular type of reference, first see Section 6 where the listed examples have links to the relevant subsection below.

In the following sections, the fields that are recognized by each entry type are shown at the beginning of each of the subsections below. A **bold font** indicates a required field whose absence will cause a $\LaTeX$ compiler warning.

Note: compiler warnings, unlike errors, do not stop the document in the $\LaTeX$ compiler. However, they do often point to errors the author would generally want to check and/or fix. In a document with many references, the list of warnings can rapidly grow so numerous as to make it difficult to find non-BibTeX-generated warnings.

Fields not in any special mark-up may be used if found. The lack of any practical documentation for the ‘acmart’ additional styling means some of listing is a result of black-box testing.

6.3 Check your Output!

Do proof-read your *References* list in the PDF output. The $\LaTeX$ and BibTeX do all the work, but it is important to ensure that:

- Each entry is styled as expected.
- No unintended text has crept in via optional fields.
- Field text has been inserted in the right place, as field usage can vary from publisher to publisher (i.e. the same BibTeX code that renders correctly for publisher A may not do so for publisher B, and manual editing is needed.).

7 Available Types and Fields

In the following sections, the fields that are recognized by each entry type are shown at the beginning of each of the subsections below. A **bold font** indicates a required field, whilst *italic font* is used to indicate fields whose absence will cause a $\text{\LaTeX}$ compiler warning. Fields not in any special mark-up may be used if found. The lack of any practical documentation for the ‘acmart’ additional styling means some of listing below is a result of black-box testing.

7.1 @article

An article from a journal or magazine (most papers, except those in proceedings). Required fields: **author**, **title**, **journal**, **year**, (**pages OR numpages**). Optional fields: *volume*. Other fields used if found: issue, number, month, howpublished, note.

7.2 An article in a continuously paginated journal

[cite#] [author: parsed] [year: verbatim]. [title: verbatim] [journal: *in italics*, parsed] [volume: verbatim], [number], ([month: if found, verbatim] [year: verbatim]) [pages]. [[doi: parsed to clickable URL] **OR** [Retrieved [lastaccessed] from [url]] [if found: [note] verbatim].]

An example of this reference type styled as desired by ACM (also see in bibliography, [20]):

[N] Frank G. Halasz. 1988. Reflections on NoteCards: Seven Issues for the Next Generation of Hypermedia Systems. *Communications of the ACM (CACM)* 31, 7 (Jul 1988), 836–852. A test note. doi:10.1145/48511.48514

Bib $\text{\TeX}$ code: [WARNING: remove line breaks in field values before using the code sample.]

```
@article{10.1145/48511.48514,
  author = {Halasz, Frank G.},
  title = {Reflections on NoteCards: Seven Issues for the Next Generation of
    Hypermedia Systems},
  journal = {Communications of the ACM (CACM)},
  volume = {31},
  number = {7},
  month = {Jul},
  pages = {836--852},
  year = {1988},
  location = {Chapel Hill, MD, USA},
  doi = {10.1145/48511.48514},
  note = {A test note}
}
```

and now the same reference but with only the minimum ACM-required fields (also see in bibliography, [21]):

[N] Frank G. Halasz. 1988. Reflections on NoteCards: Seven Issues for the Next Generation of Hypermedia Systems. *Communications of the ACM (CACM)* 31 (1988), 836–852.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@article{10.1145/48511.48514-min,
  author = {Halasz, Frank G.},
  title = {Reflections on NoteCards: Seven Issues for the Next Generation of
    Hypermedia Systems},
  journal = {Communications of the ACM (CACM)},
  volume = {31},
  year = {1988},
  pages = {836--852}
}
```

7.3 An article in a Journal with discrete articles.

[cite#] [author: parsed] [year: verbatim]. [title: verbatim] [journal: *in italics*, parsed] [volume: verbatim], [number], Article [articleno], [numpages]. [[doi: parsed to clickable URL] **OR** [Retrieved [lastaccessed] from [url]] [if found: [note] verbatim].]

An example of this reference type styled as desired by ACM (also see in bibliography, [48]):

[N] Harald Weinreich, Hartmut Obendorf, Eelco Herder, and Matthias Mayer. 2008. Not Quite the Average: An Empirical Study of Web Use. ACM Trans. Web 2, 1, Article 5 (Mar 2008), 31 pages. A test note. doi:10.1145/1326561.1326566

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@article{10.1145/1326561.1326566,
  author = {Weinreich, Harald and Obendorf, Hartmut and Herder, Eelco and Mayer,
    Matthias},
  title = {Not Quite the Average: An Empirical Study of Web Use},
  year = {2008},
  publisher = {Association for Computing Machinery},
  address = {New York, NY, USA},
  volume = {2},
  number = {1},
  doi = {10.1145/1326561.1326566},
  journal = {ACM Trans. Web},
  month = {Mar},
  articleno = {5},
  numpages = {31},
  note = {A test note}
}
```

With minimal fields (no LaTeX log warnings) [49]:

[N] Harald Weinreich, Hartmut Obendorf, Eelco Herder, and Matthias Mayer. 2008. Not Quite the Average: An Empirical Study of Web Use. ACM Trans. Web 2, 1, Article 5 (2008), 31 pages.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@article{10.1145/1326561.1326566-min,
  author = {Weinreich, Harald and Obendorf, Hartmut and Herder, Eelco and Mayer,
    Matthias},
  title = {Not Quite the Average: An Empirical Study of Web Use},
  year = {2008},
  volume = {2},
  number = {1},
  journal = {ACM Trans. Web},
  articleno = {5},
  numpages = {31}
}
```

7.4 A whole edition (volume/issue) using @article

Note: for referencing a whole journal (volume/issue) using @periodical, see Section 7.5

An example of this reference type styled as desired by ACM (also see in bibliography, [14]):

[N] Brian D. Davison (Ed.). 2019. Volume 13, Issue 2. *ACM Trans. Web* 13, 2 (2019). A test note.
doi:10.1145/3352383

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@article{10.1145/3352383,
  editor = {Davison, Brian D.},
  title = {Volume 13, Issue 3},
  year = {2019},
  publisher = {Association for Computing Machinery},
  volume = {13},
  number = {3},
  journal = {ACM Trans. Web}
  doi = {10.1145/3352383},
  note = {A test note}
}
```

With minimal fields (no LaTeX log warnings) [15]:

[N] Brian D. Davison (Ed.). 2019. Volume 13, Issue 2. *ACM Trans. Web* 13, 2 (2019).

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@article{10.1145/3352383-min,
  editor = {Davison, Brian D.},
  title = {Volume 13, Issue 3},
  year = {2019},
  publisher = {Association for Computing Machinery},
  volume = {13},
  number = {3},
  pages = {},
  journal = {ACM Trans. Web}
}
```

7.5 A whole edition (volume/issue) using @periodical

Note: for referencing a whole journal (volume/issue) using @article, see Section 7.4

An example of this reference type styled as desired by ACM (also see in bibliography, [12]):

[N] Brian D. Davison (Ed.). 2019. Volume 13, Issue 2. *ACM Trans. Web* 13, 2 (2019). A test note.
doi:10.1145/3313948

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@periodical{10.1145/3313948p,
  editor = {Davison, Brian D.},
  title = {Volume 13, Issue 2},
  year = {2019},
  publisher = {Association for Computing Machinery},
  volume = {13},
  number = {2},
  journal = {ACM Trans. Web}
  doi = {10.1145/3313948},
  note = {A test note}
}
```

With minimal fields (no LaTeX log warnings) [13]:

[N] Brian D. Davison (Ed.). 2019. Volume 13, Issue 2. *ACM Trans. Web* 13, 2 (2019).

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@periodical{10.1145/3313948p-min,
  editor = {Davison, Brian D.},
  title = {Volume 13, Issue 2},
  year = {2019},
  publisher = {Association for Computing Machinery},
  volume = {13},
  number = {2},
  pages = {},
  journal = {ACM Trans. Web}
}
```

7.6 @book

A book with an explicit publisher. Required fields: **author OR editor**, **title**, **publisher**, **year**. Optional fields: volume **OR** number, series, address, edition, month, note.

7.7 A single book (monograph)

As desired by ACM [10]:

[N] Jay David Bolter. 2001. *Writing Space* (2nd ed.). Lawrence Erlbaum Associates, Inc., Mahwah, NJ, USA. 246 pages. A test note.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@book{bolter:2001:ws,
  author = {Bolter, Jay David},
  title = {Writing Space},
  edition = {2nd},
  pages = {246},
  publisher = {Lawrence Erlbaum Associates, Inc.},
  address = {Mahwah, NJ, USA},
  year = {2001},
  note = {A test note}
}
```

With minimal fields (no LaTeX log warnings) [11]:

[N] Jay David Bolter. 2001. *Writing Space* (2nd ed.). Lawrence Erlbaum Associates, Inc., Mahwah, NJ, USA.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@book{bolter:2001:ws-min,
  author = {Bolter, Jay David},
  title = {Writing Space},
  publisher = {Lawrence Erlbaum Associates, Inc.},
  address = {Mahwah, NJ, USA},
  year = {2001}
}
```

7.8 A volume of a multi-volume book book

As desired by ACM [26]:

[N] Donald E. Knuth. 2009. *The Art of Computer Programming: Fascicles 0-4* (1st ed.). Vol. 4. Addison-Wesley Professional, Boston, MA, USA. A test note.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@book{knuth:2009:taocp,
  author = {Knuth, Donald E.},
  title = {The Art of Computer Programming: Fascicles 0-4},
  year = {2009},
  edition = {1st},
  volume = {4},
  publisher = {Addison-Wesley Professional},
  address = {Boston, MA, USA},
  note = {A test note}
}
```

With minimal fields (no LaTeX log warnings) [27]:

[N] Donald E. Knuth. 2009. *The Art of Computer Programming: Fascicles 0-4*. Vol. 4. Addison-Wesley Professional, Boston, MA, USA.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@book{knuth:2009:taocp-min,
  author = {Knuth, Donald E.},
  title = {The Art of Computer Programming: Fascicles 0-4},
  year = {2009},
  volume = {4},
  publisher = {Addison-Wesley Professional},
  address = {Boston, MA, USA}
}
```

7.9 An edited book (e.g. compilation on differently-authored chapters/articles)

As desired by ACM [34]:

[N] James M. Nyce and Paul Kahn (Eds.). 1991. *From Memex To Hypertext: Vannevar Bush and the Mind's Machine*. Academic Press, San Diego, CA, USA. 367 pages. A test note. <https://www.elsevier.com/books/from-memex-to-hypertext/nyce/978-0-12-523270-8>

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@book{nyce:1992:fmth,
  editor = {Nyce, James M. and Kahn, Paul},
  title = {From Memex To Hypertext: Vannevar Bush and the Mind's Machine},
  pages = {367},
  publisher = {Academic Press},
  address = {San Diego, CA, USA},
  year = {1991},
  url = {https://www.elsevier.com/books/from-memex-to-hypertext/nyce/978-0-12-523270-8},
  lastaccessed = {August 7, 2023},
  note = {A test note}
}
```

With minimal fields (no LaTeX log warnings) [35]:

[N] James M. Nyce and Paul Kahn (Eds.). 1991. *From Memex To Hypertext: Vannevar Bush and the Mind's Machine*. Academic Press, San Diego, CA, USA.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@book{nyce:1992:fmth-min,
  editor = {Nyce, James M. and Kahn, Paul},
  title = {From Memex To Hypertext: Vannevar Bush and the Mind's Machine},
  publisher = {Academic Press},
  address = {San Diego, CA, USA},
  year = {1991}
}
```

7.10 An ebook

The original BibTeX lacks a notion of an ebook. The @book type is thus still the best option. Note two factors at odds with a printed book: the pages and url fields. ebooks, especially if not a media alternative to print may have no formal pagination and this page count. Whereas for printed book a permalink to the publisher's listing is a convenience, it is necessary field for an ebook. Compare with using @misc to address a scanned ebook online, see Section 7.23.

An ebook, as desired by ACM [9]:

Mark Bernstein. 2017. *The Tinderbox Way (3.ed)*. Eastgate Systems Inc., Watertown, MA, USA. Retrieved August 1, 2019 from <https://www.eastgate.com/Tinderbox/TinderboxWay.html>

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@book{bernstein:2017:ttw,
  author = {Bernstein, Mark},
  title = {The Tinderbox Way (3.ed)},
  publisher = {Eastgate Systems Inc.},
  address = {Watertown, MA, USA},
  year = {2017},
  url = {https://www.eastgate.com/Tinderbox/TinderboxWay.html},
  lastaccessed = {August 1, 2019},
  isbn = {9781884511547}
}
```

7.11 @inbook and @incollection

A part of a book, which may be a chapter (or section or whatever) and/or a range of pages. Required fields: **author OR editor, title, chapter AND/OR pages, publisher, year**. Optional fields: volume **OR** number, series, type, address, edition, month, note.

7.12 A book chapter

7.12.1 A book chapter using @incollection. As desired by ACM [22]:

[N] Michael Joyce. 1995. Siren Shapes. In *Of Two Minds: Hypertext Pedagogy And Poetics*. The University of Michigan Press, Ann Arbor, MI, 38–59. A test note. doi:10.3998/mpub.10599

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@incollection{joyce:1994:ss,
  author = {Joyce, Michael},
  title = {Siren Shapes},
  booktitle = {Of Two Minds: Hypertext Pedagogy And Poetics},
  publisher = {The University of Michigan Press},
  address = {Ann Arbor, MI},
  pages = {38--59},
  year = {1995},
  doi = {10.3998/mpub.10599},
  note = {A test note}
}
```

With minimal fields (no LaTeX log warnings) using *@incollection* [23]:

[N] Michael Joyce. 1995. Siren Shapes. In *Of Two Minds: Hypertext Pedagogy And Poetics*. The University of Michigan Press, Ann Arbor, MI, 38–59.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@incollection{joyce:1994:ss-min,
  author = {Joyce, Michael},
  title = {Siren Shapes},
  booktitle = {Of Two Minds: Hypertext Pedagogy And Poetics},
  publisher = {The University of Michigan Press},
  address = {Ann Arbor, MI},
  year = {1995}
}
```

7.12.2 A book chapter using *@inbook*. As desired by ACM [24]:

[N] Michael Joyce. 1995. *Siren Shapes*. The University of Michigan Press, Ann Arbor, MI, 38–59. A test note. doi:10.3998/mpub.10599.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@inbook{joyce:1994:ss1,
  author = {Joyce, Michael},
  title = {Siren Shapes},
  booktitle = {Of Two Minds: Hypertext Pedagogy And Poetics},
  publisher = {The University of Michigan Press},
  address = {Ann Arbor, MI},
  pages = {38--59},
  year = {1995},
  doi = {10.3998/mpub.10599},
  note = {A test note}
}
```

With minimal fields (no LaTeX log warnings) using *@inbook* [25]:

[N] Michael Joyce. 1995. *Siren Shapes*. The University of Michigan Press, Ann Arbor, MI, 38–59.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@inbook{joyce:1994:ss1-min,
  author = {Joyce, Michael},
  title = {Siren Shapes},
  booktitle = {Of Two Minds: Hypertext Pedagogy And Poetics},
  publisher = {The University of Michigan Press},
  address = {Ann Arbor, MI},
  pages = {38--59},
  year = {1995},
}
```

7.13 @incollection

A part of a book having its own title. Required fields: **author**, **title**, **booktitle**, **publisher**, **year**. Optional fields: **editor**, **volume** **OR** **number**, **series**, **type**, **chapter**, **pages**, **address**, **edition**, **month**, **note**.

7.14 A discrete article in an edited book

As desired by ACM [29]:

[N] Norman K. Meyrowitz. 1989. The Missing Link: Why We're All Doing Hypertext Wrong. In *The Society of Text: Hypertext, Hypermedia, and the Social Construction of Information*, Edward Barrett (Ed.). MIT Press, Cambridge, MA, USA, 107–114. A test note. Retrieved August 7, 2023 from <https://mitpress.mit.edu/9780262521611/the-society-of-text/>

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@incollection{meyrowitz:1989:mlw,
  author = {Meyrowitz, Norman K.},
  title = {The Missing Link: Why We're All Doing Hypertext Wrong},
  booktitle = {The Society of Text: Hypertext, Hypermedia, and the Social
    Construction of Information},
  editor = {Barrett, Edward},
  publisher = {MIT Press},
  address = {Cambridge, MA, USA},
  pages = {107--114},
  year = {1989},
  url = {https://mitpress.mit.edu/9780262521611/the-society-of-text/},
  lastaccessed = {August 7, 2023},
  note = {A test note}
}
```

With minimal fields (no LaTeX log warnings) [30]:

[N] Norman K. Meyrowitz. 1989. The Missing Link: Why We're All Doing Hypertext Wrong. In *The Society of Text: Hypertext, Hypermedia, and the Social Construction of Information*, Edward Barrett (Ed.). MIT Press, Cambridge, MA, USA, 107–114.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@incollection{meyrowitz:1989:mlw-min,
  author = {Meyrowitz, Norman K.},
  title = {The Missing Link: Why We're All Doing Hypertext Wrong},
  booktitle = {The Society of Text: Hypertext, Hypermedia, and the Social
    Construction of Information},
  editor = {Barrett, Edward},
  publisher = {MIT Press},
  address = {Cambridge, MA, USA},
  year = {1989},
}
```

7.15 @inproceedings

An article in a conference proceedings, paginated. Required fields: **author**, **title**, **booktitle**, **year**, **publisher**, **address**, **pages**. Optional fields: **series**, **location**, **doi**, **note**. For the enumerated article format, the required field **pages** is replaced by **articleno** and **numpages**.

7.16 A proceedings article (continuous pagination)

As desired by ACM [7]:

[N] Mark Bernstein. 1998. Patterns of Hypertext. In *Proceedings of the Ninth ACM Conference on Hypertext and Hypermedia : Links, Objects, Time and Space—Structure in Hypermedia Systems* (Pittsburgh, PA,

USA) (*Hypertext '98*). Association for Computing Machinery, New York, NY, USA, 21–29. A test note.
doi:10.1145/276627.276630

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@inproceedings{10.1145/276627.276630,
  author = {Bernstein, Mark},
  title = {Patterns of Hypertext},
  booktitle = {Proceedings of the Ninth ACM Conference on Hypertext and Hypermedia
    : Links, Objects, Time and Space---Structure in Hypermedia Systems},
  publisher = {Association for Computing Machinery},
  address = {New York, NY, USA},
  pages = {21--29},
  year = {1998},
  doi = {10.1145/276627.276630},
  location = {Pittsburgh, PA, USA},
  series = {Hypertext '98},
  note = {A test note}
}
```

With minimal fields (no LaTeX log warnings) [8]:

[N] Mark Bernstein. 1998. Patterns of Hypertext. In *Proceedings of the Ninth ACM Conference on Hypertext and Hypermedia : Links, Objects, Time and Space—Structure in Hypermedia Systems*. Association for Computing Machinery, New York, NY, USA, 21–29.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@inproceedings{10.1145/276627.276630-min,
  author = {Bernstein, Mark},
  title = {Patterns of Hypertext},
  booktitle = {Proceedings of the Ninth ACM Conference on Hypertext and Hypermedia
    : Links, Objects, Time and Space---Structure in Hypermedia Systems},
  publisher = {Association for Computing Machinery},
  address = {New York, NY, USA},
  year = {1998},
  pages = {21--29}
}
```

7.17 A proceedings article (per-article pagination)

As desired by ACM [5]:

[N] Alessio Antonini and Sam Brooker. 2023. Name Links: An Aesthetic Discussion. In *Proceedings of the 34th ACM Conference on Hypertext and Social Media (Rome, Italy) (HT'23)*. Association for Computing Machinery, New York, NY, USA, Article 20, 6 pages. A test note. doi:10.1145/3603163.3609039

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@inproceedings{10.1145/3603163.3609039,
  author = {Antonini, Alessio and Brooker, Sam},
  title = {Name Links: An Aesthetic Discussion},
  booktitle = {Proceedings of the 34th ACM Conference on Hypertext and Social Media
    },
  publisher = {Association for Computing Machinery},
  address = {New York, NY, USA},
  numpages = {6},
  articleno = {20},
  year = {2023},
  doi = {10.1145/3603163.3609039},
  location = {Rome, Italy},
  series = {HT'98},
  note = {A test note}
}
```

With minimal fields (no LaTeX log warnings) [6]:

[N] Alessio Antonini and Sam Brooker. 2023. Name Links: An Aesthetic Discussion. In *Proceedings of the 34th ACM Conference on Hypertext and Social Media*. Association for Computing Machinery, New York, NY, USA, Article 20, 6 pages.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@inproceedings{10.1145/3603163.3609039-min,
  author = {Antonini, Alessio and Brooker, Sam},
  title = {Name Links: An Aesthetic Discussion},
  booktitle = {Proceedings of the 34th ACM Conference on Hypertext and Social Media
    },
  publisher = {Association for Computing Machinery},
  address = {New York, NY, USA},
  numpages = {6},
  articleno = {20},
  year = {2023}
}
```

7.18 @proceedings

The proceedings of a conference. Required fields: **title**, **year**, **organization**. Optional fields: editor, address, location, publisher, doi, note. Be aware that unlike a proceedings *paper* (i.e. an individual proceedings item), neither the series nor isbn field data is used (even if passed). In BibTeX, the series name, e.g. “HT ’23”, should be included at the beginning of the title field as a colon+space-joined prefix.

7.19 An entire proceedings

As desired by ACM [4]:

[N] Alessio Antonini and Francesca Benatti (Eds.). 2023. *HT '23: Proceedings of the 34th ACM Conference on Hypertext and Social Media* (Rome, Italy). ACM SIGWeb, Association for Computing Machinery, New York, NY, USA. A test note. doi:10.1145/3603163

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@proceedings{10.1145/3603163,
  editor = {Antonini, Alessio and Benatti, Francesca},
  organization = {ACM SIGWeb},
  title = {HT '23: Proceedings of the 34th ACM Conference on Hypertext and Social
    Media},
  year = {2023},
  publisher = {Association for Computing Machinery},
  address = {New York, NY, USA},
  location = {Rome, Italy},
  doi = {10.1145/3603163},
  note = {A test note}
}
```

With minimal fields (no LaTeX log warnings) [2]:

[N] ACM SIGWeb 2023. *HT '23: Proceedings of the 34th ACM Conference on Hypertext and Social Media*. ACM SIGWeb.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@proceedings{10.1145/3603163-min,
  organization = {ACM SIGWeb},
  title = {HT '23: Proceedings of the 34th ACM Conference on Hypertext and Social
    Media},
  year = {2023}
}
```

7.20 @misc

Use this type when nothing else fits. This is also the ‘natbib’ [sic] default type for any type in the ‘.bib’ files that is not recognised. However, for types without a discrete styling ACM’s ‘acmart’ defaults these to using the *@manual* style, see Section 7.32). Required fields: **none**. Optional fields: author, title, howpublished, month, year, note.

7.21 An eprint

As desired by ACM [47]:

[N] Jakob Voß. 2019. Infrastructure-Agnostic Hypertext. A test note. arXiv: <https://arxiv.org/abs/1907.00259>

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@misc{voss:2019:iah,
  title={Infrastructure-Agnostic Hypertext},
  author={Jakob Voß},
  year={2019},
  eprint={1907.00259},
  note = {A test note}
}
```

7.22 A patent

As desired by ACM [40]:

[N] Joseph Scientist. 2009. A Perpetual Motion Engine. Patent No. 12345: filed July 1st., 2008, issued Aug. 9th., 2009.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@misc{scientist:2009:tfoy,
  author = {Scientist, Joseph},
  year = {2009},
  title = {A Perpetual Motion Engine},
  note = {Patent No. 12345: filed July 1st., 2008, issued Aug. 9th., 2009}
}
```

7.23 Web page (using @misc)

For an intentional ebook as opposed to a scan of print book, see @book, section 7.10.

As desired by ACM [50]:

[N] Wikipedia. 2002. Wikipedia: Project Xanadu. A test note. Retrieved May 7, 2003 from https://en.wikipedia.org/wiki/Project_Xanadu

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@misc{wiki:2002:xanadu,
  author = {Wikipedia},
  title = {Wikipedia: Project Xanadu},
  year = {2002},
  url = {https://en.wikipedia.org/wiki/Project_Xanadu},
  lastaccessed = {May 7, 2003},
  note = {A test note}
}
```

7.24 Web page video (using @misc)

As desired by ACM [18]:

[N] Douglas Carl Engelbart. 1968. The Mother of All Demos. YouTube. A test note. Retrieved April 2, 2023 from <https://www.youtube.com/watch?v=yJDv-zdhzMY>

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@misc{engelbart:1968:moad1,
  author = {Engelbart, Douglas Carl},
  year = {1968},
  title = {The Mother of All Demos},
  url = {https://www.youtube.com/watch?v=yJDv-zdhzMY},
  lastaccessed = {April 2, 2023},
  note = {A test note}
}
```

7.25 A scanned (e)book (using @misc)

As desired by ACM [33]:

[N] Ted Nelson. 1987. *Literary Machines, Ed. 87.1*. A test note. Retrieved June 9, 2021 from <https://archive.org/details/literarymachines00nels>

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@misc{nelson:1987:lm,
  author = {Nelson, Ted},
  organization = {Internet Archive},
  title = {Literary Machines, Ed. 87.1},
  year = {1987},
  url = {https://archive.org/details/literarymachines00nels},
  lastaccessed = {June 9, 2021},
  note = {A test note}
}
```

7.26 @periodical (as defined by ‘acmart’)

A whole issue of a magazine, paper or journal.

Note: in either a bug or oversight, the @periodical form will not use valid ‘url’, ‘lastaccessed’, ‘doi’ or ‘note’ field data. If ‘note’ data is used this comes after any URL-related data.

7.27 A newsletter

As desired by ACM [39]:

[N] Jessica Rubart (Ed.). 2019. Winter Newsletter. A test note. *SIGWeb Newsl.* 2019, Winter (2019).

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@periodical{sigweb,
  organization = {ACM SIGWeb},
  editor = {Rubart, Jessica},
  year = {2019},
  publisher = {Association for Computing Machinery},
  volume = {2019},
  number = {Winter},
  journal = {SIGWeb Newsl.},
  title = {Winter Newsletter},
  url = {https://dl.acm.org/toc/sigweb/2019/2019/Winter},
  lastaccessed = {August 7, 2023},
  note = {A test note}
}
```

With minimal fields (no LaTeX log warnings) [1]:

[N] ACM SIGWeb 2019. Winter Newsletter. *SIGWeb Newsl.* 2019, Winter (2019).

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@periodical{sigweb-min,
  organization = {ACM SIGWeb},
  year = {2019},
  journal = {SIGWeb Newsl.},
  volume = {2019},
  number = {Winter},
  title = {Winter Newsletter},
}
```

7.28 A magazine

As desired by ACM [43]:

[N] The Atlantic 1945. As We May Think. *The Atlantic Monthly* 176, 1 (1945), 101–108 pages. A test note. <http://www.theatlantic.com/magazine/archive/1945/07/as-we-may-think/303881/>

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@periodical{bush:1945:awmt,
  title = {As We May Think},
  journal = {The Atlantic Monthly},
  organization = {The Atlantic},
  volume = {176},
  number = {1},
  pages = {101--108},
  year = {1945},
  url = {http://www.theatlantic.com/magazine/archive/1945/07/as-we-may-think/303881/},
  lastaccessed = {August 7, 2023},
  note = {A test note}
}
```

With minimal fields (no LaTeX log warnings) [44]:

[N] The Atlantic 1945. As We May Think. *The Atlantic Monthly* 176, 1 (1945).

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@periodical{bush:1945:awmt-min,
  author = {Bush, Vannevar},
  title = {As We May Think},
  journal = {The Atlantic Monthly},
  organization = {The Atlantic},
  volume = {176},
  number = {1},
  year = {1945},
}
```

7.29 @online, (as defined by ‘acmart’)

For online resources. Not formally defined by natbib (which predates the Web and URL-based referencing). ‘acmart’ maps this type to @manual (see Section 7.32. Importantly, the date of last access, which is wanted (but not tested for in code) **must** use the lastaccessed field. The latter is a non-standard field, only used by the ACM. Frustratingly, the acmart parser does not recognise the now common urldate field for such data. the desired form of date is in the US long date form: full month day comma year, e.g. ‘March 21, 2008’. The lastaccessed data is used verbatim, so the field’s source data needs to be entered or generated in the exact output format.

7.30 A web page

As desired by ACM [28]:

[N] George P. Landow. 1995. *The Victorian Web*. VictorianWeb.org. A test note. Retrieved August 1, 2019 from <http://www.victorianweb.org/misc/credits.html> A test note.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@online{landow:1995:vic,
  author = {Landow, George P.},
  year = {1995},
  title = {The Victorian Web},
  organization = {VictorianWeb.org},
  url = {http://www.victorianweb.org/misc/credits.html},
  lastaccessed = {August 1, 2019},
  note = {A test note}
}
```

7.31 A web page video

As desired by ACM [19]:

[N] Douglas Carl Engelbart. 1968. *The Mother of All Demos*. YouTube. A test note. Retrieved April 2, 2023 from <https://www.youtube.com/watch?v=yJDv-zdhzMY>

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@online{engelbart:1968:moad,
  author = {Engelbart, Douglas Carl},
  year = {1968},
  title = {The Mother of All Demos},
  organization = {YouTube},
  url = {https://www.youtube.com/watch?v=yJDv-zdhzMY},
  lastaccessed = {April 2, 2023},
  note = {A test note}
}
```

7.32 @manual

Technical documentation. This is also ‘acmart’ chosen default mapping for the *@online* and a number of custom, free-form types. Required field: **title**. Optional fields: author, organization, address, edition, month, year, note.

7.33 A manual

As desired by ACM [38]:

[N] John Prusky. 1978. *FRESS resource manual*. Brown University. A test note.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@manual{prusky:1978:fress,
  author = {Prusky, John},
  year = {1978},
  title = {{FRESS} resource manual},
  organization = {Brown University},
  note = {A test note}
}
```

7.34 @mastersthesis

A Master's thesis. Required fields: **author**, **title**, **school**, **year**. Optional fields: type, address, month, note.

7.35 A Master's dissertation/thesis

As desired by ACM [36]:

[N] Haeree Park. 2014. *Memex and Beyond: A Design Trajectory from Vannevar Bush's Memex. Master's thesis*. University of Washington, Seattle, WA, USA. Advisor(s) Axel Roesler. A test note. Retrieved August 7, 2023 from <http://hdl.handle.net/1773/26821>

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@mastersthesis{park:2014:mab,
  author = {Park, Haeree},
  advisor = {Axel Roesler},
  title = {Memex and Beyond: A Design Trajectory from Vannevar Bush's Memex},
  school = {University of Washington},
  address = {Seattle, WA, USA},
  pages = {63},
  year = {2014},
  url = {http://hdl.handle.net/1773/26821},
  lastaccessed = {August 7, 2023},
  note = {A test note}
}
```

With minimal fields (no LaTeX log warnings)s [37]:

[N] Haeree Park. 2014. *Memex and Beyond: A Design Trajectory from Vannevar Bush's Memex. Master's thesis*. University of Washington.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@mastersthesis{park:2014:mab-min,
  author = {Park, Haeree},
  title = {Memex and Beyond: A Design Trajectory from Vannevar Bush's Memex},
  school = {University of Washington},
  year = {2014},
}
```

7.36 @phdthesis

A PhD thesis. Required fields: **author**, **title**, **school**, **year**. Optional fields: type, address, month, note.

7.37 A doctoral thesis/dissertation

As desired by ACM [45]:

[N] Randall H. Trigg. 1983. *A Network-Based Approach to Text Handling for the Online Scientific Community*. Ph. D. Dissertation. University of Maryland, College Park, MD, USA. Advisor(s) Charles J. Rieger III. A test note. Retrieved August 7, 2023 from <https://umaryland.on.worldcat.org/oclc/12340083>

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@phdthesis{trigg:1983:nbath,
  author = {Trigg, Randall H.},
  advisor = {Charles J. Rieger III},
  title = {A Network-Based Approach to Text Handling for the Online Scientific
    Community},
  school = {University of Maryland},
  address = {College Park, MD, USA},
  pages = {139},
  year = {1983},
  url = {https://umaryland.on.worldcat.org/oclc/12340083},
  lastaccessed = {August 7, 2023},
  note = {A test note}
}
```

With minimal fields (no LaTeX log warnings) [46]:

[N] Randall H. Trigg. 1983. *A Network-Based Approach to Text Handling for the Online Scientific Community*. Ph. D. Dissertation. University of Maryland.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@phdthesis{trigg:1983:nbath-min,
  author = {Trigg, Randall H.},
  title = {A Network-Based Approach to Text Handling for the Online Scientific
    Community},
  school = {University of Maryland},
  year = {1983}
}
```

7.38 @techreport

A report published by a school or other institution, usually numbered within a series. Required fields: **author**, **title**, **institution**, **year**. Optional fields: type, number, address, month, note.

7.39 A technical report

As desired by ACM [31]:

[N] Judi A. Moline, Daniel R. Benigni, and Jean Baronas. 1990. *Proceedings of the Hypertext Standardization Workshop*. Technical Report. National Institute of Standards and Technology, Gaithersburg, MD, USA. 284 pages. A test note. Retrieved August 7, 2023 from <https://nvlpubs.nist.gov/nistpubs/Legacy/SP/nistspecialpublication500-178.pdf>

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@techreport{moline:1990:hsw,
  author = {Moline, Judi A. and Benigni, Daniel R. and Baronas, Jean},
  title = {Proceedings of the Hypertext Standardization Workshop},
  institution = {National Institute of Standards and Technology},
  address = {Gaithersburg, MD, USA},
  pages = {284},
  year = {1990},
  url = {https://nvlpubs.nist.gov/nistpubs/Legacy/SP/nistspecialpublication500-178.
    pdf},
  note = {NIST Special Publication 500-178},
  lastaccessed = {August 7, 2023},
  note = {A test note}
}
```

With minimal fields (no LaTeX log warnings) [32]:

[N] Judi A. Moline, Daniel R. Benigni, and Jean Baronas. 1990. *Proceedings of the Hypertext Standardization Workshop*. Technical Report. National Institute of Standards and Technology.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@techreport{moline:1990:hsw-min,
  author = {Moline, Judi A. and Benigni, Daniel R. and Baronas, Jean},
  title = {Proceedings of the Hypertext Standardization Workshop},
  institution = {National Institute of Standards and Technology},
  year = {1990},
}
```

7.40 @unpublished

A document having an author and title, but not formally published. Required fields: **author**, **title**, **note**. Optional fields: month, year.

7.41 Example 1: unpublished book chapter

As desired by ACM [17]:

[N] Jane Z. Doe. 2036. Lessons from a future Self. (Feb 2036). Chapter for ‘Tales from The Future’.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@unpublished{unpub1,
  author = {Doe, Jane Z.},
  title = {Lessons from a future Self},
  month = {Feb},
  year = {2036},
  note = {Chapter for `Tales from The Future`}
}
```

7.42 Example 2: paper awaiting publication

As desired by ACM [16]:

[N] John Q. Doe. undated. My Amazing Discovery. (undated). Submitted to ‘Transactions of The Future’: accepted, awaiting publication.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@unpublished{unpub2,
  author = {Doe, John Q.},
  title = {My Amazing Discovery},
  year = {undated},
  note = {Submitted to `Transactions of The Future': accepted, awaiting publication}
}
```

7.43 @booklet

A work that is printed and bound, but without a named publisher or sponsoring institution. Required field: **title**. Optional fields: author, howpublished, address, month, year, note.

7.44 A booklet

As desired by ACM [41]:

[N] Maria Swetla. 2015. Canoe tours in Sweden. Booklet distributed at the Stockholm Tourist Office. A test note.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@booklet{canoes,
  title   = {Canoe tours in Sweden},
  author  = {Swetla, Maria},
  howpublished = {Booklet distributed at the Stockholm Tourist Office},
  year    = {2015},
  note    = {A test note}
}
```

With minimal fields (no LaTeX log warnings) [42]:

[N] Maria Swetla. 2015. Canoe tours in Sweden.

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@booklet{canoes-min,
  title   = {Canoe tours in Sweden},
  author  = {Swetla, Maria},
  year    = {2015}
}
```

7.45 @artifactsoftware, @artifactdataset, @dataset, @game, @software (as defined by ‘acmart’)

All map to the *@manual* style—see Section 7.32).

7.46 Using DOI and discrete URL together

If a reference has a DOI, use of the doi field should suffice. Occasionally, it may be helpful to cite both a DOI and separate URL, for instance for secondary materials such as a dataset. In this case use the *distincturl* field instead of *url*.

As desired by ACM [3]:

[N] Mark W. R. Anderson and David Millard. 2022. Hypertext’s Meta-History: Documenting in-Conference Citations, Authors and Keyword Data, 1987-2021. In Proceedings of the 33rd Conference on Hypertext and Social Media (Barcelona, Spain) (HT ’22). Association for Computing Machinery, New York, NY, USA, 96–106. A dataset is offered. doi:10.1145/3511095.3531271 <https://eprints.soton.ac.uk/457992/>

BibTeX code: [WARNING: remove line breaks in field values before using the code sample.]

```
@inproceedings{anderson:2022:hmh-plus,
  author = {Anderson, Mark W. R. and Millard, David},
  title = {Hypertext's Meta-History: Documenting in-Conference Citations, Authors
    and Keyword Data, 1987-2021},
  booktitle = {Proceedings of the 33rd ACM Conference on Hypertext and Social Media
    },
  publisher = {Association for Computing Machinery},
  address = {New York, NY, USA},
  pages = {96--106},
  year = {2022},
  doi = {10.1145/3511095.3531271},
  isbn = {9781450392334},
  location = {Barcelona, Spain},
  series = {HT '22},
  distincturl = {true},
  url = {https://eprints.soton.ac.uk/457992/},
  note = {A dataset is offered}
}
```

8 Colophon

8.1 Document Versions

- v1.0. January 2024. acmart version v1.93. L^AT_EXsource: Overleaf, using T_EXLive 2023.
- v1.1. August 2025. acmart version v1.93. L^AT_EXsource: Overleaf, using T_EXLive 2024.
- v2.0. January 2026. acmart version v2.16. L^AT_EXsource: Overleaf, using T_EXLive 2025.
- v3.0. June 2026. acmart version v2.18. L^AT_EXsource: Overleaf, using T_EXLive 2025.
- v3.1. June 2026. acmart version v2.18. L^AT_EXsource: Overleaf, using T_EXLive 2025. Added further examples, and clarifications.
- v3.2. June 2026. acmart version v2.19. L^AT_EXsource: Overleaf, using T_EXLive 2025. Revised for new acmart, minimal changes.

References

- [1] ACM SIGWeb 2019. Winter Newsletter. *SIGWeb Newsl.* 2019, Winter (2019).
- [2] ACM SIGWeb 2023. *HT '23: Proceedings of the 34th ACM Conference on Hypertext and Social Media*. ACM SIGWeb.
- [3] Mark W. R. Anderson and David Millard. 2022. Hypertext's Meta-History: Documenting in-Conference Citations, Authors and Keyword Data, 1987-2021. In *Proceedings of the 33rd ACM Conference on Hypertext and Social Media* (Barcelona, Spain) (HT '22). Association for Computing Machinery, New York, NY, USA, 96–106. doi:10.1145/3511095.3531271 <https://eprints.soton.ac.uk/457992/> A dataset is offered.
- [4] Alessio Antonini and Francesca Benatti (Eds.). 2023. *HT '23: Proceedings of the 34th ACM Conference on Hypertext and Social Media* (Rome, Italy). ACM SIGWeb, Association for Computing Machinery, New York, NY, USA. doi:10.1145/3603163 A test note.
- [5] Alessio Antonini and Sam Brooker. 2023. Name Links: An Aesthetic Discussion. In *Proceedings of the 34th ACM Conference on Hypertext and Social Media* (Rome, Italy) (HT'98). Association for Computing Machinery, New York, NY, USA, Article 20, 6 pages. doi:10.1145/3603163.3609039 A test note.
- [6] Alessio Antonini and Sam Brooker. 2023. Name Links: An Aesthetic Discussion. In *Proceedings of the 34th ACM Conference on Hypertext and Social Media*. Association for Computing Machinery, New York, NY, USA, Article 20, 6 pages.

- [7] Mark Bernstein. 1998. Patterns of Hypertext. In *Proceedings of the Ninth ACM Conference on Hypertext and Hypermedia : Links, Objects, Time and Space—Structure in Hypermedia Systems* (Pittsburgh, PA, USA) (*HYPERTEXT '98*). Association for Computing Machinery, New York, NY, USA, 21–29. doi:10.1145/276627.276630 A test note.
- [8] Mark Bernstein. 1998. Patterns of Hypertext. In *Proceedings of the Ninth ACM Conference on Hypertext and Hypermedia : Links, Objects, Time and Space—Structure in Hypermedia Systems*. Association for Computing Machinery, New York, NY, USA, 21–29.
- [9] Mark Bernstein. 2017. *The Tinderbox Way* (3.ed). Eastgate Systems Inc., Watertown, MA, USA. Retrieved August 1, 2019 from <https://www.eastgate.com/Tinderbox/TinderboxWay.html>
- [10] Jay David Bolter. 2001. *Writing Space* (2nd ed.). Lawrence Erlbaum Associates, Inc., Mahwah, NJ, USA. 246 pages. A test note.
- [11] Jay David Bolter. 2001. *Writing Space*. Lawrence Erlbaum Associates, Inc., Mahwah, NJ, USA.
- [12] Brian D. Davison (Ed.). 2019. Volume 13, Issue 2. *ACM Trans. Web* 13, 2 (2019).
- [13] Brian D. Davison (Ed.). 2019. Volume 13, Issue 2. *ACM Trans. Web* 13, 2 (2019).
- [14] Brian D. Davison (Ed.). 2019. Volume 13, Issue 3. *ACM Trans. Web* 13, 3 (2019). doi:10.1145/3352383 A test note.
- [15] Brian D. Davison (Ed.). 2019. Volume 13, Issue 3. *ACM Trans. Web* 13, 3 (2019).
- [16] John Q. Doe. undated. My Amazing Discovery. (undated). Submitted to ‘Transactions of The Future’: accepted , awaiting publication.
- [17] Jane Z. Doe. 2036. Lessons from a future Self. (Feb 2036). Chapter for ‘Tales from The Future ’.
- [18] Douglas Carl Engelbart. 1968. The Mother of All Demos. Retrieved April 2, 2023 from <https://www.youtube.com/watch?v=yJDv-zdhzMY> A test note.
- [19] Douglas Carl Engelbart. 1968. *The Mother of All Demos*. YouTube. Retrieved April 2, 2023 from <https://www.youtube.com/watch?v=yJDv-zdhzMY> A test note.
- [20] Frank G. Halasz. 1988. Reflections on NoteCards: Seven Issues for the Next Generation of Hypermedia Systems. *Communications of the ACM (CACM)* 31, 7 (Jul 1988), 836–852. doi:10.1145/48511.48514 A test note.
- [21] Frank G. Halasz. 1988. Reflections on NoteCards: Seven Issues for the Next Generation of Hypermedia Systems. *Communications of the ACM (CACM)* 31 (1988), 836–852. A test note.
- [22] Michael Joyce. 1995. Siren Shapes. In *Of Two Minds: Hypertext Pedagogy And Poetics*. The University of Michigan Press, Ann Arbor, MI, 38–59. doi:10.3998/mpub.10599 A test note.
- [23] Michael Joyce. 1995. Siren Shapes. In *Of Two Minds: Hypertext Pedagogy And Poetics*. The University of Michigan Press, Ann Arbor, MI.
- [24] Michael Joyce. 1995. *Siren Shapes*. The University of Michigan Press, Ann Arbor, MI, 38–59. doi:10.3998/mpub.10599 A test note.
- [25] Michael Joyce. 1995. *Siren Shapes*. The University of Michigan Press, Ann Arbor, MI, 38–59.
- [26] Donald E. Knuth. 2009. *The Art of Computer Programming: Fascicles 0-4* (1st ed.). Vol. 4. Addison-Wesley Professional, Boston, MA, USA. A test note.
- [27] Donald E. Knuth. 2009. *The Art of Computer Programming: Fascicles 0-4*. Vol. 4. Addison-Wesley Professional, Boston, MA, USA.
- [28] George P. Landow. 1995. *The Victorian Web*. VictorianWeb.org. Retrieved August 1, 2019 from <http://www.victorianweb.org/misc/credits.html> A test note.
- [29] Norman K. Meyrowitz. 1989. The Missing Link: Why We’re All Doing Hypertext Wrong. In *The Society of Text: Hypertext, Hypermedia, and the Social Construction of Information*, Edward Barrett (Ed.). MIT Press, Cambridge, MA, USA, 107–114. Retrieved August 7, 2023 from <https://mitpress.mit.edu/9780262521611/the-society-of-text/> A test note.
- [30] Norman K. Meyrowitz. 1989. The Missing Link: Why We’re All Doing Hypertext Wrong. In *The Society of Text: Hypertext, Hypermedia, and the Social Construction of Information*, Edward Barrett (Ed.). MIT Press, Cambridge, MA, USA.
- [31] Judi A. Moline, Daniel R. Benigni, and Jean Baronas. 1990. *Proceedings of the Hypertext Standardization Workshop*. Technical Report. National Institute of Standards and Technology, Gaithersburg, MD, USA. 284 pages. Retrieved August 7, 2023 from <https://nvlpubs.nist.gov/nistpubs/Legacy/SP/nistspecialpublication500-178.pdf> A test note.
- [32] Judi A. Moline, Daniel R. Benigni, and Jean Baronas. 1990. *Proceedings of the Hypertext Standardization Workshop*. Technical Report. National Institute of Standards and Technology.
- [33] Ted Nelson. 1987. Literary Machines, Ed. 87.1. Retrieved June 9, 2021 from <https://archive.org/details/literarymachines00nels> A test note.
- [34] James M. Nyce and Paul Kahn (Eds.). 1991. *From Memex To Hypertext: Vannevar Bush and the Mind’s Machine*. Academic Press, San Diego, CA, USA. 367 pages. Retrieved August 7, 2023 from <https://www.elsevier.com/books/from-memex-to-hypertext/nyce/978-0-12-523270-8> A test note.
- [35] James M. Nyce and Paul Kahn (Eds.). 1991. *From Memex To Hypertext: Vannevar Bush and the Mind’s Machine*. Academic Press, San Diego, CA, USA.
- [36] Haeree Park. 2014. *Memex and Beyond: A Design Trajectory from Vannevar Bush’s Memex*. Master’s thesis. University of Washington, Seattle, WA, USA. Advisor(s) Axel Roesler. Retrieved August 7, 2023 from <http://hdl.handle.net/1773/26821> A test note.
- [37] Haeree Park. 2014. *Memex and Beyond: A Design Trajectory from Vannevar Bush’s Memex*. Master’s thesis. University of Washington.
- [38] John Prusky. 1978. *FRESS resource manual*. Brown University. A test note.
- [39] Jessica Rubart (Ed.). 2019. Winter Newsletter. *SIGWeb Newsl.* 2019, Winter (2019).
- [40] Joseph Scientist. 2009. A Perpetual Motion Engine. Patent No. 12345: filed July 1st, 2008; issued Aug. 9th, 2009.
- [41] Maria Swetla. 2015. Canoe tours in Sweden. Booklet distributed at the Stockholm Tourist Office. A test note.
- [42] Maria Swetla. 2015. Canoe tours in Sweden.
- [43] The Atlantic 1945. As We May Think. *The Atlantic Monthly* 176, 1 (1945), 101–108 pages.
- [44] The Atlantic 1945. As We May Think. *The Atlantic Monthly* 176, 1 (1945).

- [45] Randall H. Trigg. 1983. *A Network-Based Approach to Text Handling for the Online Scientific Community*. Ph. D. Dissertation. University of Maryland, College Park, MD, USA. Advisor(s) Charles J. Rieger III. Retrieved August 7, 2023 from <https://umaryland.on.worldcat.org/oclc/12340083> A test note.
- [46] Randall H. Trigg. 1983. *A Network-Based Approach to Text Handling for the Online Scientific Community*. Ph. D. Dissertation. University of Maryland.
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- [48] Harald Weinreich, Hartmut Obendorf, Eelco Herder, and Matthias Mayer. 2008. Not Quite the Average: An Empirical Study of Web Use. *ACM Trans. Web 2*, 1, Article 5 (Mar 2008), 31 pages. doi:10.1145/1326561.1326566 A test note.
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- [50] Wikipedia. 2002. Wikipedia: Project Xanadu. Retrieved May 7, 2003 from https://en.wikipedia.org/wiki/Project_Xanadu A test note.

A Appendix: TeX releases and acmart base version

Overleaf uses a baseline of an annual TeX Live release, that is added some while *after* the public release of annual TeX update. The annual release includes all then-current packages. Unless a project is altered, Table 1 below shows the likely ‘acmart’ package version used by an Overleaf-generate document.

This is slightly inexact because the versioning in ‘acmart’ differs by file and there is no overview summary. The package’s readme has a very high-level summary but fails to note which file(s) were changed and for what reason. The version number given in the ‘.bst’ file has not been updated since March 2023, although diff-ing ‘acmart’ indicates changes in the file released in packages v2.12, v2.14 and v2.18.

TeX Live distro	Distro release	Overleaf adds distro	acmart version	version release	bst version	bst changes
v			1.88	2022-11-08	2.1	
v2023	2023-03-19	2023-09-06	(1.88)			
			1.901.90a	2023-03-28	2.1	
			1.92	2023-10-14	2.1	
			1.93	2023-10-24	2.1	
			2.00	2023-11-09	2.1	
			2.01	2023-12-31	2.1	
			2.02	2024-01-21	2.1	
			2.03	2024-02-07	2.1	
v2024	2024-03-12	2024-06-27	(2.03)			
			2.04	2024-04-02	2.1	
			2.05	2024-04-05	2.1	
			2.06	2024-04-15	2.1	
			2.07	2024-04-19	2.1	
			2.08	2024-06-03	2.1	
			2.09	2024-08-27	2.1	
			2.10	2024-11-27	2.1	
			2.11	2024-12-23	2.1	
			2.12	2025-01-02	2.1	yes
			2.13	2025-01-11	2.1	
v2025	2025-03-08	2025-09-04	(2.13)			
			2.14	2025-05-30	2.1	yes
			2.15	2025-08-21	2.1	
			2.16	2025-08-27	2.1	
v2026	2026-03-01	n/a	(2.16)			
			2.18	2026-05-31	2.1	yes
			2.19	2026-06-27	2.1	
			2.20	2026-08-16	2.1	yes

Table 1. Table showing version compatibility of TeXLive releases to the Overleaf baseline and implicit default ‘acmart’ package version.

IMPORTANTLY, the TeXLive date indicates the current ‘acmart’ in the distro, e.g. the 2024 distro shipped with ‘acmart’ package v2.03, (i.e. the last package release before the distro release. Separately, Overleaf’s adoption of a given TeXLive distro runs some months behind that distro’s public release. The implicit result is shown in Table 2.

Thus, an Overleaf project using the 2023 distro is using ‘acmart’ v1.88, for 2024 distro v2.03, for 2025 v2.13, for 2026 v2.16.

TeX Live distro	implicit 'acmart' version	Adopted by Overleaf
2023-03-19	1.88	2023-09-06
2024-03-12	2.03	2024-06-27
2025-03-08	2.13	2025-09-04
2026-03-01	2.16	2029-08-18

Table 2. Table showing implicit 'acmart' version based on Overleaf project's selected TeXLive distro.

A user of Overleaf who copies/duplicates last year's paper as a basis for one this year, still retains the TeX distro on the original project. So a project from late 2023 copied and used for a paper written in 2024 or 2025 is *still* using v1.88 unless the '.bst' and '.cls' files in the project are updated.

The '.bst' file states, in a code comment: “%%% Revision history: see source in git”. The problem is that whilst there are code comments for the code maintainer, there is not clear summary *for the user* as to what changes have been made. For instance, new BibTeX types have been added but what they are *and how ACM intends they be used* is not at all clear.

NOTE: ACM stopped updating their sample ACM-styled webpages (for rendered text and for BibTeX) in 2023.

B Appendix: the ‘acmart’ README text

NOTE: *content of the README with light reformatting for clarity and some added explanatory comments, and correct typos in source copy.*

B.1 Opening body copy

This package provides a class for typesetting publications of the Association for Computing Machinery.

Your TeX distribution probably includes the latest released version of this package. If you decide to install it yourself, please see the Installation section of the User’s Guide.

Please note that the version on Github is a development (or experimental) version: please download it for testing new features. The production version is the one on CTAN and ACM sites.

Changes

B.1.1 Version 2.20 (2026-08-16).

- Conference proceedings in acmsmall now use conference headings
- Bug fixes

B.1.2 Version 2.19 (2026-06-27).

- Re-added keywords to samples (**Author’s note.** v2.19 reversed the deprecation of document author keywords added in v2.18. This deprecation will likely return as author keywords are found to be rarely useful for assisting search.)
- Tagging: defaults for tables
- Bug fixes
- (**Author’s note.** Undocumented change: package added licence ‘LPPL Version 1.3c 2008-05-04’ to the package.)

B.1.3 Version 2.18 (2026-05-31). **DO NOT USE!** Use v2.19+. This issue breaks ACM’s TAPS publishing system.

- Bug fixes
- Deleted IMS designation from journals
- Deprecated keywords
- Bibliography change: moved note before URL
- Merged tagging code into the main branch.
- New code for captions in the tagging version.

B.1.4 Version 2.17 (2026-03-28, no public release).

- Bugs fixed
- (**Author’s note.** Not listed on CTAN.)

B.1.5 Version 2.16 (2025-08-27).

- Emergency release: fixes a typo in the code.

B.1.6 Version 2.15 (2025-08-21).

- Bug fixes.
- Documentation updates

- New journals: AILET, TAIS, TAISAP, ACMJDS

B.1.7 Version 2.14 (2025-05-30).

- Bib style update.
- Documentation update.
- DLT is now using acmlarge format.
- Generate error if a user tries to redefine sectioning commands

B.1.8 Version 2.13 (c.2025-05-15).

- Documentation update
- Added mathcal in unicode mode
- Bug fixes

B.1.9 Version 2.12 (2024-12-31).

- Bug fixes
- Switched to unicode-math and libertinus for Unicode engines

B.1.10 Version 2.11 (2024-12-21).

- Conference date is no longer printed in bibstrip.
- ISBN now uses 4-digit year
- DOI in bibliography is now output as doi : XX.XXXX/XXXXX.XXXX
- Changed URL in Creative Commons licenses (deleted trailing /legalcode)

B.1.11 Version 2.10 (2024-10-19).

- Bug fixes.
- Documentation update.

B.1.12 Version 2.09 (2024-08-25).

- Experimental tagging code is now in the main branch.
- Creative Commons license is now allowed for all materials.

B.1.13 Version 2.08 (2024-06-01).

- Section titles are in lowercase now.
- Documentation updates.

B.1.14 Version 2.07 (2024-04-17).

- Corrected typo in TELO eISSN.

B.1.15 Version 2.06 (2024-04-13).

- Added eISSN for a number of journals.
- ACM no longer collects or prints authors' postal addresses

B.1.16 Version 2.05 (2024-04-04).

- Changed title for TELO.

B.1.17 Version 2.04 (2024-03-31).

- Compatibility with the new latex-dev format
- eSSN is always printed, even if pSSN is present
- Wording change in copyright statement

B.1.18 Version 2.03 (2024-02-04).

- Cleaned generation of samples.
- New options for printing conference proceedings in ACM journals

B.1.19 Version 2.02 (2024-01-21).

- Documentation update.
- Changes in TOG templates
- Corrected typo in ACM/IMS journals

B.1.20 Version 2.01 (2023-12-29).

- `\acmPrice` now produces a warning.

B.1.21 Version 2.00 (2023-11-08).

- ACM switches to electronic only version.
- We do not print article tabs any more.
- New copyright wording.
- Deleted `\acmPrice`.

B.1.22 Version 1.93 (2023-10-24).

- Added PACMSE

B.1.23 Version 1.92 (2023-10-16).

- Documentation update
- Emergency change: changed order of `hyperref` and `hyperxmp` due to changes in the underlying packages

B.1.24 Version 1.91 (date not recorded).

- Minor changes in ACMCP format

B.1.25 Version 1.90a (2-23-06-13).

- Changes in the sample keywords and concepts

B.1.26 Version 1.90 (2023-04-01).

- Journal ISSN updated

B.1.27 Version 1.89a (2023-03-28).

- Added version info to `.bst`

B.1.28 Version 1.89 (2023-03-28).

- Bug fixes
- Redesign of ACMCP
- New positioning of badges
- New journals: PACMMOD, TOPML

B.1.29 Version 1.88 (2022-11-08).

- New ISSNs
- Documentation updates
- New journal: PACMNET

B.1.30 Version 1.87 (2022-10-20).

- CC license is allowed for non-acm documents and ACM Engage documents only
- New format acmcp for the cover page
- New journals: JATS, ACMJCSS, TORS
- Bug fixes

B.1.31 Version 1.86 (2022-07-09).

- Empty country in affiliation now produces an error
- Bug fixes
- New samples for acmengage

B.1.32 Version 1.85 (2022-05-30).

- Bug fixes
- Added support for Creative Commons licenses (requires doclicense images)
- New journals
- New format acmengage for ACM Engage CSEdu course materials

B.1.33 Version 1.84 (2022-04-12).

- Support for BibLaTeX rewritten (thanks to Roberto Di Cosmo and Kartik Singhal)
- Corrected German translation (thanks to Dirk Beyer)
- New journals

B.1.34 Version 1.83 (2022-02-24).

- Support for multilanguage papers
- ISSN changes for some journals

B.1.35 Version 1.82 (2022-02-07).

- Bug fixes.
- New command anon for anonymization of short strings.
- Documentation update.

B.1.36 Version 1.81 (2021-12-07).

- Bug fixes
- New bib field `distinctURL` to print URL even if doi is present.
- Reworded samples

B.1.37 Version 1.80 (2021-09-06).

- New journals: DLT, FAC

B.1.38 Version 1.79 (2021-08-31).

- Fixed pages with index (<https://github.com/borisveytsman/acmart/issues/440>)
- Updated information for TAP, TCPS, TEAC

B.1.39 Version 1.78 (2021-05-22).

- Documentation update.
- Magic `texcount` comments for samples.
- Title page now is split if there are too many authors
- Bug fixes.

B.1.40 Version 1.77 (2021-04-18).

- Changed the way to typeset multiple affiliations (Christoph Sommer)

B.1.41 Version 1.76 (2021-04-14).

- Added many journal abbreviations to the bst.
- New experimental option: `pbalance`
- ORCID linking code

B.1.42 Version 1.75 (2020-11-17).

- Omitted country now produces error.
- Added `\AtBeginMaketitle`

B.1.43 Version 1.74 (2020-10-27).

- Bug fixes.
- A regression introduced in the font changes is reverted.

B.1.44 Version 1.73 (2020-0-15).

- Bug fixes
- The elements `institution`, `city` and `country` are now obligatory for affiliations. The absence of them produces a warning.

B.1.45 Version 1.72 (date not recorded).

- Bug fixes.
- Better handling of metadata.

B.1.46 Version 1.71 (2020-05-05).

- Bug fixes
- Formats `sigchi` and `sigchi-a` are retired
- Bibliography formatting changes for `@inproceedings` entries having both series and volume
- LuaLaTeX now uses the same OTF fonts as XeLaTeX

B.1.47 Version 1.70 (2020-02-24).

- Title change for ACM/IMS Transactions on Data Science
- Bug fixes for bibliography

B.1.48 Version 1.69 (2020-02-09).

- Bug fixes
- Compatibility with LaTeX 2020-02-02 release

B.1.49 Version 1.68 (date not recorded).

- Bug fixes
- BST now recognizes words ‘Paper’ or ‘Article’ in `eid` or `articleno`

B.1.50 Version 1.67 (2020-01-13).

- Urgent bug fixes:
- BibTeX style bug fixed (Michael D. Adams)
- Sigplan special section bugfix

B.1.51 Version 1.66 (2019-12-20).

- Bug fixes
- BibTeX change: `location` is now a synonym for `city` (Feras Saad)
- ACM reference format is now mandatory for papers over one page.
- CCS concepts and keywords are now mandatory for papers over two pages.
- Authors’ addresses are mandatory for journal articles.

B.1.52 Version 1.65 (2019-10-20).

- Bug fixes
- New journal: DGOV
- DTRAP and HEALTH are now using `acmlarge` format

B.1.53 Version 1.64 (2019-08-29).

- Produce error if abstract is entered after `maketitle` (previously abstract was silently dropped)
- Bug fixes for line numbering

B.1.54 Version 1.63a (2019-08-06).

- Moved TQUANT to TQC

B.1.55 Version 1.63 (date not recorded).

- New journals: TQUANT, FACMP

B.1.56 Version 1.62 (2019-08-02).

- Documentation update
- New journal: TELO
- Bug fixes

B.1.57 Version 1.61 (2019-05-29).

- Bug fixes
- New bibtex types for artifacts

B.1.58 Version 1.60 (2019-05-09).

- New option: urlbreakonhyphens (thanks to Peter Kemp)
- Smaller header size for acmsmall

B.1.59 Version 1.59 (2019-04-22).

- Now a journal format can be used for conference proceedings
- All samples are now generated from the same .dtx file
- Bug fixes

B.1.60 Version 1.58 (2019-03-31).

- Suppressed spurious warnings.
- New journal: HEALTH.
- TDSCI is renamed to TDS.

B.1.61 Version 1.57 (2018-12-31).

- Change of \baselinestretch now produces an error
- Booktabs is now always loaded
- Added option ‘balance’ to balance last page in two-column mode
- E-mail is no longer split in addresses
- New samples (Stephen Spencer)

B.1.62 Version 1.56 (2018-11-13).

- Bug fixes
- Added \flushbottom to two column formats (Philip Quinn)
- The final punctuation for the list of concepts is now a period instead of a semicolon (Philip Quinn)
- New command Description to describe images for visually impaired users.

B.1.63 Version 1.55 (2018-10-22).

- Bug fixes
- Font changes for SIGCHI table captions

B.1.64 Version 1.54 (2018-07-18).

- New option: ‘nonacm’ (Gabriel Scherer)
- Deleted indent for `\subsubsection` (suggested by Ross Moore)
- Suppressed some obscure warning in BibTeX processing
- Suppressed `hyperrerrf` warnings (Paolo G. Giarrusso)
- New code for sections to help with accessibility patches (Ross Moore)
- Submission id, if present, is printed in anon mode
- Bug fixes

B.1.65 Version 1.53 (2018-04-15).

- New journals: PACMCGIT, TIOT, TDSCI

B.1.66 Version 1.52 (2018-04-10).

- Another rewording of licenses

B.1.67 Version 1.51 (date not recorded).

- Journal footers now use abbreviated journal titles.
- Corrected the bug with `acmPrice`.
- Do not show price when copyright is set to ‘iw3c2w3’ and ‘iw3c2w3g’.
- The package now is compatible with `polyglossia` (Joachim Breitner).
- Slightly reworded copyright statements.

B.1.68 Version 1.50 (2018-02-08).

- Changes in `iw3c2w3` and `iw3c2w3g`

B.1.69 Version 1.49 (2018-01-30).

- New journal: DTRAP

B.1.70 Version 1.48 (2017-12-17).

- Bug fixes
- Review mode now switches on folios
- Code prettying (Michael D. Adams)
- Bibliography changes: `@MISC` entries no longer have a separate date
- Sigch-a sample bibliography renamed
- Bib code cleanup (Zack Weinberg)
- `Acmart` and version info are added to `pdfcreator` tag
- `\citeyear` no longer produces parenthetical year
- Added initial support for Biblatex (Daniel Thomas)
- Added support for IW3C2 conferences

B.1.71 Version 1.47 (2017-09-02).

- New journal: THRI

B.1.72 Version 1.46 (date not recorded).

- Bug fixes for bibliography: label width is now calculated correctly.
- All PACM now use screen option. This requires etoolbox.
- Added subtitle to ACM reference format.
- Now acmart is compatible with fontspec.
- \thanks is now obsolete.
- The addresses are automatically added to the journal version; this can be overridden with \authorsaddresses command.
- Deleted the rule at the end of frontmatter for all formats.
- Deleted new line before doi in the reference format.
- Reintegrated theorem code into acmart.dtx (Matthew Fluet)

B.1.73 Version 1.45 (2017-08-17).

- Workaround for a Libertine bug. Thanks to LianTze Lim from Overleaf

B.1.74 Version 1.44 (date not recorded).

- Bug fixes.
- Empty DOI and ISBN suppress printing DOI or ISBN lines
- Separated theorem code into acmthm.sty, loaded by default.
- Article number can be set for proceedings.
- New commands: \acmBooktitle, \editor.
- Reference citation format updated.

B.1.75 Version 1.43 (date not recorded).

- Bug fixes

B.1.76 Version 1.42 (date not recorded).

- Deleted ACM badges
- Bug fixes

B.1.77 Version 1.41 (2017-06-26).

- Rearranged bib files
- Added new badges

B.1.78 Version 1.40 (2017-06-20).

- Bibliography changes
- Added processing of one-component ccsgdesc nodes
- Bug fixes.
- Made the height a multiple of \baselineskip + \topskip
- Added cleveref
- We no longer print street address in SIGs

B.1.79 Version 1.39 (2017-05-16).

- Added \authornotemark command

B.1.80 Version 1.38 (incorporated as part of v1.39).

- Increase default font size for SIGPLAN

B.1.81 Version 1.37 (incorporated as part of v1.39).

- Reduce list indentation (Matthew Fluet)

B.1.82 Version 1.36 (incorporated as part of v1.39).

- Bug fixes
- Moved PACMPL to acmlarge format
- New journal: PACMHCI
- Added the possibility to adjust number of author boxes per row in conference formats

B.1.83 Version 1.35 (2017-04-25).

- Author-year bib style now uses square brackets.
- Changed defaults for TOG sample
- Price is suppressed for usgov and rightsretained modes.
- Bugs fixed

B.1.84 Version 1.34 (2017-04-13).

- Deleted DOI from doi numbers
- Changed bibstrip formatting
- The command \terms is now obsolete
- The rulers in review mode now have continuous numbering

B.1.85 Version 1.33 (2017-04-02).

- New option ‘timestamp’ (Michael D. Adams)
- New option ‘authordraft’
- Documentation updates
- Bug fixes
- We now use Type 1 versions of Libertine fonts even with XeTeX.
- New hook acmart-preload-hook.tex (wizards only!)
- Added new option obeypunctuation for \affiliation command
- Added SubmissionID
- Added right line count ruler for two-column formats
- Added workaround for Adobe Acrobat bugs in selection
- Added ‘eid’ field to the bibliography

B.1.86 Version 1.32 (2017-03-08).

- New DOI formatting.
- Format siggraph is now obsolete, and sigconf is used instead.

- New proceedings title: POMACS.

B.1.87 Version 1.31 (2017-03-06).

- Changed default year and month to the current ones (thanks to Matteo Riondato)
- Table of contents now works
- Marginalia now work in all formats
- New command `\additionalaffiliation`
- Documentation changes

B.1.88 Version 1.30 (2017-02-16).

- Bibtex style now recognizes `https://` in doi.
- Added `\frenchspacing`.
- `\department` now has an optional hierarchy level.
- Switched to T1 encoding
- Updated IMWUT and PACMPL

B.1.89 Version 1.29 (incorporated as part of v1.30).

- Documentation changes.
- Head height increased from 12pt to 13pt.
- Removed spurious indent at start of abstract.
- Improved kerning in CCS description list.

B.1.90 Version 1.28 (2017-01-09).

- Bug fixes: `natbib=false` now behaves correctly.

B.1.91 Version 1.27 (2016-12-30).

- Bug fixes

B.1.92 Version 1.26 (2016-12-26).

- Bug fixes

B.1.93 Version 1.25 (2016-12-04).

- Updated PACMPL journal option.

B.1.94 Version 1.24 (2016-11-18).

- Added IMWUT journal option.

B.1.95 Version 1.23 (rolled into v1.24).

- Added PACM PL journal option.

B.1.96 Version 1.22 (2016-09-27).

- Bibliography changes for Aptara backend; should be invisible for the users.

B.1.97 Version 1.21 (2016-09-07).

- Bibliography changes: added arXiv, some cleanup

B.1.98 Version 1.20 (2016-08-07).

- Bug fixes, documentation updates

B.1.99 Version 1.19 (incorporated into v1.20).

- Include 'Abstract', 'Acknowledgements', and 'References' in PDF bookmarks.

B.1.100 Version 1.18 (2016-07-14).

- Natbib is now the default for all versions.
- A unified bib file is used for all styles.
- Better treatment of multiple affiliations.

B.1.101 Version 1.17 (date not recorded), likely subsumed into v1.18).

- Formatting changes for margins and lists.
- Bug fixes.

B.1.102 Version 1.16 (date not recorded), likely subsumed into v1.18).

- Formatting changes for headers and footers.

B.1.103 Version 1.15 (date not recorded), likely subsumed into v1.18).

- New structured affiliation command.
- New commands for acknowledgements.

B.1.104 Version 1.14 (date not recorded), likely subsumed into v1.18).

- Warn about undefined citation styles
- Move definitions of `acmauthoryear` and `acmnumeric` citation styles before use.

B.1.105 Version 1.13 (date not recorded), likely subsumed into v1.18).

- Formatting changes: headers, folios etc.
- Bibliography changes.

B.1.106 Version 1.12 (date not recorded), likely subsumed into v1.18).

- Bug fixes and documentation updates.
- Footnotes rearranged.
- Option `natbib` is now mostly superfluous: the class makes a guess based on the format chosen.

B.1.107 Version 1.11 (2016-05-31).

- Customization of ACM theorem styles and proof environment (Matthew Fluet).

B.1.108 Version 1.10 (date not recorded), likely subsumed into v1.11).

- Bug fixes

B.2 Version 1.09 (2016-05-20)

- SIGPLAN: revert caption rules (Matthew Fluet)

B.2.1 Version 1.08 (2016-05-16).

- SIGPLAN reformatting (Matthew Fluet)
- bug fixes

B.2.2 Version 1.07 (2016-05-10).

- First released version of the new ACM classes