

# BIB<sub>T</sub>E<sub>X</sub> Cheat Sheet

## Bibliography and citations

When using BIB<sub>T</sub>E<sub>X</sub>, you need to run `latex`, `bibtex`, and `latex` twice more to resolve dependencies.

### BIB<sub>T</sub>E<sub>X</sub> file example

The BIB<sub>T</sub>E<sub>X</sub> database goes in a file called `file.bib`, which is processed with `bibtex file`.

```
@Article{WC:1953,
author = {James Watson and Francis Crick},
title = {A structure for Deoxyribose Nucleic Acid},
journal = {Na\-ture},
volume = {171},
pages = {737},
year = 1953
}
```

### BIB<sub>T</sub>E<sub>X</sub> entry types

<code>@article</code>	Journal or magazine article.
<code>@book</code>	Book with publisher.
<code>@booklet</code>	Book without publisher.
<code>@conference</code>	Article in conference proceedings.
<code>@inbook</code>	A part of a book and/or range of pages.
<code>@incollection</code>	A part of book with its own title.
<code>@manual</code>	Technical documentation.
<code>@mastersthesis</code>	Master's thesis.
<code>@misc</code>	If nothing else fits.
<code>@phdthesis</code>	PhD. thesis.
<code>@proceedings</code>	Proceedings of a conference.
<code>@techreport</code>	Tech report, usually numbered in series.
<code>@unpublished</code>	Unpublished.

### BIB<sub>T</sub>E<sub>X</sub> fields

<code>address</code>	Address of publisher. Not necessary for major publishers.
<code>author</code>	Names of authors, of format ....
<code>booktitle</code>	Title of book when part of it is cited.
<code>chapter</code>	Chapter or section number.
<code>edition</code>	Edition of a book.
<code>editor</code>	Names of editors.
<code>institution</code>	Sponsoring institution of tech. report.
<code>journal</code>	Journal name.
<code>key</code>	Used for cross ref. when no author.
<code>month</code>	Month published. Use 3-letter abbreviation.
<code>note</code>	Any additional information.
<code>number</code>	Number of journal or magazine.
<code>organization</code>	Organization that sponsors a conference.
<code>pages</code>	Page range (2,6,9--12).
<code>publisher</code>	Publisher's name.
<code>school</code>	Name of school (for thesis).
<code>series</code>	Name of series of books.
<code>title</code>	Title of work.
<code>type</code>	Type of tech. report, ex. "Research Note".
<code>volume</code>	Volume of a journal or book.
<code>year</code>	Year of publication.

Not all fields apply to every entry type.

## Common BIB<sub>T</sub>E<sub>X</sub> style files

<code>abbrv</code>	Standard	<code>abstract</code>	alpha with abstract
<code>alpha</code>	Standard	<code>apa</code>	APA
<code>plain</code>	Standard	<code>unsrt</code>	Unsorted

The L<sup>A</sup>T<sub>E</sub>X document should have the following two lines just before `\end{document}`, where `bibfile.bib` is the name of the BIB<sub>T</sub>E<sub>X</sub> file.

```
\bibliographystyle{plain}
\bibliography{bibfile}
```

## Citing

```
\cite[custom_text]{citation01}
```

## Natbib

```
\usepackage[square,sort,comma,numbers]{natbib}
Change the bibliography style to \bibliographystyle{plainnat}.
```

## Reference style

<code>\citet{goossens93}</code>	Goossens et al. (1993)
<code>\citep{goossens93}</code>	(Goossens et al., 1993)
<code>\citest{*}{goossens93}</code>	Goossens, Mittlebach, and Samarin (1993)
<code>\citeauthor{goossens93}</code>	Goossens et al.
<code>\citeauthor*{goossens93}</code>	Goossens, Mittlebach, and Samarin
<code>\citeyear{goossens93}</code>	1993
<code>\citeyearpar{goossens93}</code>	(1993)
<code>\citealt{goossens93}</code>	Goossens et al. 1993
<code>\citealp{goossens93}</code>	Goossens et al., 1993

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Based on L<sup>A</sup>T<sub>E</sub>X Cheat Sheet from Winston Chang

<http://wch.github.io/latexsheet/>