

Instructions for Using Bibtex with Latex Documents

Dorothea Frances Brosius
Institute for Research in Electronics and Applied Physics
University of Maryland
College Park, MD 20742-3511

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Using Bibtex with Latex documents is not hard. The bulk of the work is organizing your bibtex file, which is a data base compiled by you of the articles, books, etc. which you use in the bibliographies or reference sections of your publications. The file `BibtexSamples.tex` contains examples of information needed for the different types of references you may wish to use (e.g., articles in refereed journals, books, unpublished articles, conference proceedings).

The first two pages of this document are instructions for using Bibtex; the remaining pages were taken from a published article and show how the references were cited in the .tex file.

1. Note that the references in the .tex file are cited with the same label which is used in your bib file (e.g.,

```
~\cite{lang1999}.
```

The reference numbers will be enclosed in brackets [1] in the dvi file.

2. At the end of the document, where you would normally type your references or bibliography, insert the following lines:

```
\newpage \bibliographystyle{unsrt}  
\bibliography{the name of your bib file}
```

In my case I used

```
\bibliography{Galactic,Diorio,Griem-Bibtex}
```

The three bibfiles used were `Galactic.bib`, `Diorio.bib`, and `Griem-Bibtex.bib`.

```
\bibliographystyle{unsrt}
```

will sort the entries in the order of their first appearance in your text.

After setting up your tex document (in this case, BibtexInstructions.tex) and your bibtex documents (in this case, Galactic.bib, Diorio.bib and Griem-Bibtex.bib), do the following:

1. Typeset your document
2. Bibtex your document (in PcTex: Tools, Bibliography) (in WinEdt, click on the Bib icon)
3. Typeset your document a second time

Not only will the reference numbers in the dvi file be in brackets (e.g., [1]), but your bibliography will automatically show in your references without your having to type them individually.

I have attached several other files to the pdf file which you are viewing. They are the copies of the original BibtexInstructions.tex file, Galactic.bib (the bib file used with this document), Galactic.bbl (the bbl file is made by Bibtex from the bib file) and BibtexSamples.tex. BibtexSamples.tex will give an example of the information needed for the various publications you wish to reference. **NOTE: When saving your bibtex file, type parentheses around the filename ("filename.bib"). This keeps the file a bib file and does not automatically save it as a .tex file.** The original .pdf file, the .tex files and the .bib files can be downloaded from <http://www.ireap.umd.edu/ireap/thesis/bibtex> for your use.

Adding doi numbers to your reference: Place the doi number in quotes on the note line of your bib file as shown below.

```
@ARTICLE{hindmarsh1995,
AUTHOR = "M. B. Hindmarsh and T. W. B. Kibble",
TITLE = "Cosmic Strings",
JOURNAL = "Rep. Prog. Phys.",
YEAR = "1995",
volume = "58",
number = "5",
pages = "477-562",
month = "May",
abstract = "",
keywords = "",
note = "doi: 10.1088/0034-4885/58/5/001",
file = F
}
```

Some standard bibliography styles you may find useful:

unsrt Sorts entries in the order in which they appear in the text, first name and last name

acm Sorts entries in the order in which they appear in the text, last name, first name (upper and lower caps)

plain Sorts entries in alphabetical order; places first and second initial before last name

abbrv Sorts alphabetically by last name; places first initial before last name

A list of BibTeX style examples may be found at
<http://www.cs.stir.ac.uk/~kjt/software/latex/showbst.html>.

If you have questions concerning BibTeX, please contact me at 301 405-4955 or dbrosius at umd.edu [1].

1 Bibliography entries

lang1999 [2], hindmarsh1995 [3], genzel2007 [4], morris2004 [5], genzel2002 [6], matzner1990 [7], davis2005 [8], silveira1991 [9], bellan2004 [10], chud1986 [11], copeland1987 [12], lang2004 [13], butler1991 [14], Lang2002 [15], sofue2001 [16], landaumech [17], lang2003 [18], ott2003 [19], polchinski2004 [20], Stokes:1847 [21], Stokes:1847 [21], Phillips:1961 [22], Petzler:1984 [23], Phillips:1961 [22], Bhattacherryya:2003 [24], Banner:1985 [25], Plant:1999 [26], BF:1967 [27], Brosius:2011 [1].

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