

L^AT_EX– Week 5

1 The Bibliography

L^AT_EX has a built-in system for making and referring to a bibliography. There are two main ways to make a bibliography.

1. One can create a “master” bibliography file that you use for all your papers. Then using BIB_TE_X, you can create an article specific bibliography that just lists the sources referred to in that paper.
2. Using the `\thebibliography` environment, which is just like an itemized list at the end of the paper.

The first option is beyond the scope of my knowledge, so I refer you to other sources to read about it. I will discuss the second option here.

Start by putting some sources in your bibliography.

At the **very end of your document**, before the phrase `\end{document}`, type

```
\begin{thebibliography}{99}

\bibitem{mainsource} Kunen, K., “The complex Stone-Weierstrass property,”
{\it Fund. Math.} 182 (2004), no. 2, 151--167.

\bibitem{knots} Adams, Colin, “Hyperbolic knots.”
{\it Handbook of knot theory}, 1--18, Elsevier B. V., Amsterdam, 2005.

\bibitem{erdos} Erdős, Paul, “Some of my favourite unsolved problems.”
{\it Math. Japon.} 46 (1997), no. 3, 527--537.

\end{thebibliography}
```

The results of typing this can be seen at the end of this document.

Now I can type in my document, before the bibliography. When I want to refer to something in my bibliography, I use the command `\cite{}`, as follows:

In this paper, I do not answer any questions of Erdős `\cite{erdos}`.

I also have not read the papers of Kunen `\cite{mainsource}` or Adams `\cite{knots}`.

In this paper, I do not answer any questions of Erdős [3]. I also have not read the papers of Kunen [1] or Adams [2].

Notice that the bibliography items are not automatically alphabetized. You must enter the items in your bibliography in alphabetical order yourself. If you want \LaTeX to alphabetize the bibliography, you will have to learn how to use BIBTeX , which you are free to do on your own.

As with any other cross-references, you must run the Latex button twice to be sure the numberings and references are accurate.

2 Footnotes

Anytime you want a footnote¹, you can just use the `\footnote{}` command.

...want a footnote`\footnote{like this!}`, you can....

Multiple² footnotes will be numbered automatically³.

Multiple`\footnote{more footnotes!}` footnotes will be numbered automatically`\footnote{Hurray!}`.

References

- [1] Kunen, K., “The complex Stone-Weierstrass property,” *Fund. Math.* 182 (2004), no. 2, 151–167.
- [2] Adams, Colin, “Hyperbolic knots.” *Handbook of knot theory*, 1–18, Elsevier B. V., Amsterdam, 2005.
- [3] Erdős, Paul, “Some of my favourite unsolved problems.” *Math. Japon.* 46 (1997), no. 3, 527–537.

¹like this!

²more footnotes!

³Hurray!