

1 Main Section

Use sections and subsections.

1.1 First Subsection

Here is a subsection. You can either *itemize* or *enumerate* points depending on whether you want to number your items. Here's how they work. First, I itemize.

- This is the first item.
- This is the second item.

Next, I enumerate.

1. Here is item 1.
 - (a) here is the first sub-item
 - (b) here is the second sub-item
2. Here is item 2.

Also use the theorem environment and proofs.

Theorem 1 *Here is the theorem statement.*

Proof: And here is the proof. ■

If I say noindent, the paragraph is not indented. Otherwise, it is, like in the paragraph below.

Please give real bibliographical citations for the papers that we mention in class, as shown below. If you use BibTeX, integrate the .bbl file into your .tex source. You can get exact bibliographical citations from DBLP. Just Google DBLP and an author's name. That's what I did to get the exact references I sent you.

For example, the van Emde Boas compressed binary tree structure [1] implements a priority queue with $O(\log \log m)$ query and update times, given a fixed universe of size m .

References

- [1] Peter van Emde Boas, R. Kaas, E. Zijlstra, *Design and Implementation of an Efficient Priority Queue*, Mathematical Systems Theory 10: 99-127, 1977.