

Simple example using L^AT_EX

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Abstract

Here is some text for the abstract that would describe our wonderful paper and excite everyone.

1 Introduction

Para1, The small scale commodity off-the-shelf cluster computing experiment that began in the 1990's[2] has evolved into a viable option for high-performance computing. The installation time on these early experiments were acceptable, but as the scale increased installation has become a challenging and time consuming element. Blah, blah, blah...

Para2, The small scale commodity off-the-shelf cluster computing experiment that began in the 1990's[2] has evolved into a viable option for high-performance computing. The installation time on these early experiments were acceptable, but as the scale increased installation has become a challenging and time consuming element. Blah, blah, blah...

Para3, The small scale commodity off-the-shelf cluster computing experiment that began in the 1990's[2] has evolved into a viable option for high-performance computing. The installation time on these early experiments were acceptable, but as the scale increased installation has become a challenging and time consuming element. Blah, blah, blah...

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2 Discussion

Here is where you might put other text about discussion blah, blah, blah....

2.1 Subsection on Stuff

Here is a subsection that is related to the discussion material. You can also have subsubsection and here's an example of that.

2.1.1 Way down low

This is a subsubsection and the numbering etc is adjusted accordingly.

2.2 Subsection on Other

Back up to another subsection, still within the Discussion section so that we can continue to inform and amaze.

3 Examples

Here are a few other examples that might be useful. To make things **bold**, or *italic* you use these. Also, you can refer to things by using the Section 1 or Subsection 2.2, this fills in the number automagically. You also do similar things for the citations to references. I typically use BibTeX file for references (these are the .bib) files, you can do things directly

within this file but I think it's easier to let it do all the work. The only difference is that you have to adjust the 'Makefile' to also run `bibtex` (notice the `typer-writer` font face.

So, assuming I was going to refer to the rsync paper I could simply cite it like [3] and it would show here. This is the name given at the top of the BibTeX entry.

Also, you can have lists of type `itemize` (no numbers), `description`, `enumerate` (numbered), etc.

Here's a version using the `itemize` environment.

- example item 1
- example item 2
- example item 3

Here's an enumerated version using the `center` tag.

1. example item 1
2. example item 2
3. example item 3

Here's a version using the `description` environment.

Blah – this is descr1

Blah, blah – this is descr2

And finally, you can also use the `verbatim` to do straight text stuff-o.

```
#!/bin/sh
echo "Hello World";
```

4 Summary

The only other thing to mention is how to generate the output. I've got a "Makefile" (notice how the quotes are internally) that does a few things...some rather stupidly but basically you can just change the `DOC` & `DOCBASE` to your files's name as done

here. (Notice that `ampersand` is reserved so you have to backslash it...as is the case with a tilde `$HOME/tjn`.)

Also you can run things by hand like this¹:

```
latex example-ols.tex
latex example-ols.tex
bibtex example-ols.tex
latex example-ols.tex
latex example-ols.tex
dvips example-ols.dvi -o example-ols.ps
gv example-ols.ps
```

or

```
make ps
gv example-ols.ps
```

```
make clean #gets rid of tmp but not .ps | .pdf
or
make cleanall #gets rid of all
```

That should cover most everything. (notice the noindent)

References

- [1] M. Brim, R. Flanery, A. Geist, B. Luethke, and S. Scott. Cluster Command & Control (C3) tools suite. In *To be published in, Parallel and Distributed Computing Practices, DAPSYS Special Edition*, 2002.
- [2] T. Sterling, D. Savarese, D. J. Becker, J. E. Dorband, U. A. Ranawake, and C. V. Packer. BEOWULF: A parallel workstation for scientific computation. In *Proceedings of the 24th International Conference on Parallel Processing*, volume I, Architecture, pages I:11–14, Boca Raton, FL, August 1995. CRC Press.
- [3] A. Tridgell and P. Mackerras. The rsync algorithm. Technical Report TR-CS-96-05, Australian National University, Department of Computer Science, June 1996. (see also: <http://rsync.samba.org>).

¹You have to run things multiple passes...doesn't hurt to do it extra.