

Hello World

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Abstract

In this paper I learn how to do things with L^AT_EX

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*Thanks to Bob Hope

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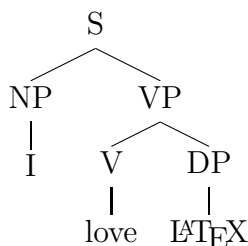
1 This section has a really long title but really it's just about trees

1.1 Purty tree

1.1.1 One of them

There is nothing cool in here

Unnumbered subsection



2 Lists

1. Mares eat oats
2. And does eat oats
3. And little lambs eat ivy

3 Special characters and footnotes

Here are some special characters:¹
 á à ñ ã æ œ ø

4 Centering, flushing, and indenting

4.1 Examples

This is left-ish

This is centered

This is right-y

¹This is a footnote

5 Quoting

This is a quote. It is very nice, and hopefully long enough to span multiple pages. You can even put a footnote inside of a quote.² In any case, this is nice and purty. It feels like time for an attribution now.

(Hope and Barker 2006)

6 Using IPA

6.1 The Easy Way

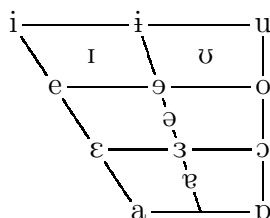
øðɥʊæɹɦɪfɦɪqɦɥɪβɲæɹɸɤɹβɲæɹɸð:ɔɹæðɛɛæɹðæɹɸ

6.2 Superscript

Superscript is easy, with `\super{}` (doesn't need to be inside IPA environment):
p^h

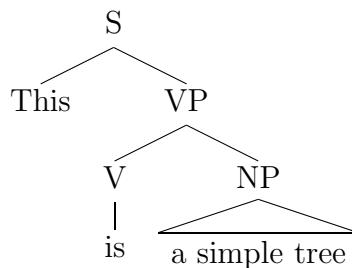
6.3 Vowel chart

You can make a ***very*** snazzy vowel chart with TIPA and \LaTeX . Note that this uses the standard TIPA input rather than the `IPAText` command.



Additionally, you can also change the placement of vowels out of the standard grid, with the `vowelvunit` and `vowelhunit` commands

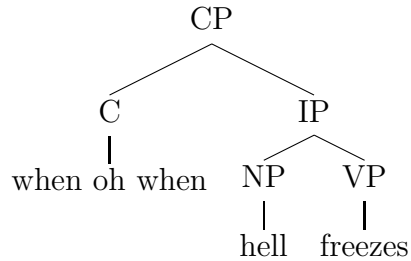
7 More on Trees



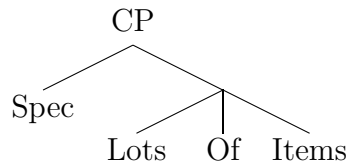
²Just like this!

Trees are centered by default, but that can be turned off with `\qtreecenterfalse` and back on again with `\qtreecentertrue`

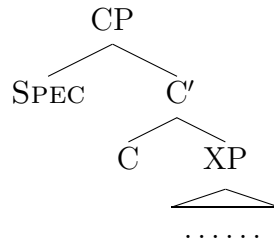
The basic policy is, put a left bracket, followed by no space, then `.XP`, then space, then the contents of that phrase. You can also make the `.XP` attach to the right bracket (on the outside), and this is necessary with `\qroof`, as in `\qroof{stuff in a triangle}.NP`. You **need** a space before the close bracket - that tells Tree that the phrase is over. If you need to include spaces in a phrase, put it in curly braces



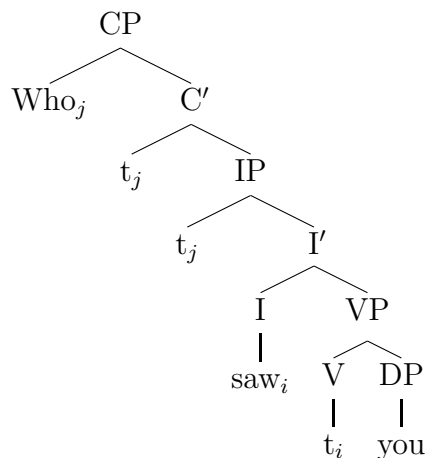
If you don't want a label, you can go even more crazy:



To label something "prime" (e.g. X'), you have to use $X\prime$ or $X\prime$

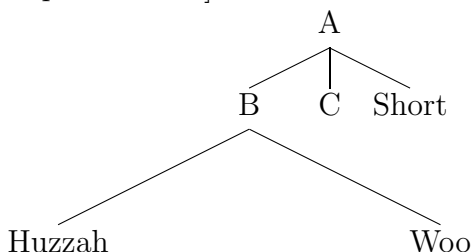


For double-bar levels, use $X\prime\prime$ and for heads $X\prime$. Indices *in trees* are X_i , and superscript is X^0



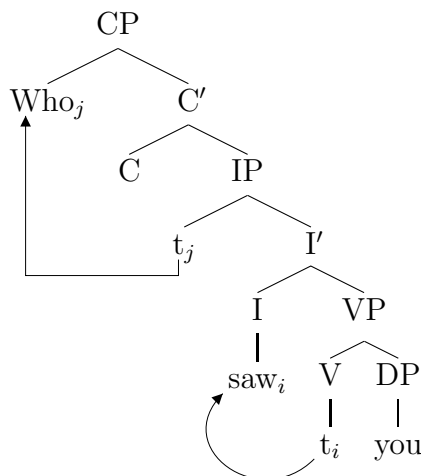
7.1 Tree spacing

To change a tree’s spacing, put `!\qsetw{Xcm}` as a child of the node under which you want diff’t spacing. Alternatively, you can do the same with `!\faketreewidth[some text, the length of which the space will be]`:



7.2 Trees with movement

You can make trees that show movement. You need to define each node that’ll get an arrow head or tail with `\nodenodename` followed immediately by (no space) the label for the node:



8 Commands

8.1 Defining your own commands

```
\newcommand{\commandname}[number of args]{definition}
```

```
“fluffy bunny”
```

```
FLUFFY BUNNY
```

You can also have one optional argument: `\newcommand{\commandname}[number of args][definition]`

```
bolyhos nyuszika /bojhof nusika/ “fluffy bunny”
```

```
bolyhos nyuszika “fluffy bunny”
```

9 Counters and Labels

Create a new counter with `\newcountercountername[incounter]`, where `incounter` is a counter in which the new counter is a subsection

1, 1, I, i, A, a, *

You can set counters with `\setcounter{countername}{number}`

You can add any number (pos or neg) with `\addtocountercounter{countername}{number}`

You can add **one** to a counter with `\stepcounter{countername}`

To access the **value** of a counter, use `\valuecountername`

9

10 Lists

Itemize

- First item
- Second item

Enumerate

1. First item
2. Second item

Descriptions

Clock A device used for telling time. May be digital or analog. Either way, it's cool.

There's also a hand-held (or rather, worn) version called a watch. They're nifty as well.

Chapstick A stick of lip balm used to moisturize the lips

Television Idiot-box

Nesting

1. First level
 - (a) Second level
 - i. Third level
2. First level again
 - Second level, itemized

♡ Heart!

11 Linguistics examples with gb4e

- (1) ese se lee en español
 this itself read-3sg in Spanish
 “This reads itself in Spanish”
- (2) ese se lee en español
 this itself read-3sg in Spanish
 “This reads itself in Spanish”
- (3) a. ese se lee en español
 this itself read-3sg in Spanish
 “*This reads itself in Spanish*”
 one more line to see
- b. ese se lee en español
 this itself read-3sg in Spanish
 “*This reads itself in Spanish*”

1 3a

12 Tables

Here is a silly table:

	Name	OS	Comments
1	Aaron	Mac OSX	Also uses Linux (Ubuntu)
2	Brad	Ubuntu	Also uses OSX
3	Alex	Mac OSX	Games on Windows
4	Zach	Windows	Console gamer

You can do things to each column:

	Name	<i>OS</i>	Comments
1	Aaron	<i>Mac OSX</i>	Also uses Linux (Ubuntu)
2	Brad	<i>Ubuntu</i>	Also uses OSX
3	Alex	<i>Mac OSX</i>	Games on Windows
4	Zach	<i>Windows</i>	Console gamer

And then of course you have horizontal rules of diff't lengths:

	Name	<i>OS</i>	Comments
1	Aaron	<i>Mac OSX</i>	Also uses Linux (Ubuntu)
2	Brad	<i>Ubuntu</i>	Also uses OSX
3	Alex	<i>Mac OSX</i>	Games on Windows
4	Zach	<i>Windows</i>	Console gamer

Vertical lines are easy - they're done in the table's preamble:

	<i>Name</i>	OS	Comments
1	<i>Aaron</i>	Mac OSX	Also uses Linux (Ubuntu)
2	<i>Brad</i>	Ubuntu	Also uses OSX
3	<i>Alex</i>	Mac OSX	Games on Windows
4	<i>Zach</i>	Windows	Console gamer

You can add multi-column rows:

OPERATING SYSTEMS AND THEIR USERS			
0	<i>Name</i>	OS	Comments
1	<i>Aaron</i>	Mac OSX	Also uses Linux (Ubuntu)
2	<i>Brad</i>	Ubuntu	Also uses OSX
3	<i>Alex</i>	Mac OSX	Games on Windows
4	<i>Two-Square</i>	This is a multicolumnar thing.	
5	<i>Zach</i>	Windows	Console gamer

You can put *text* between columns instead of lines:

OPERATING SYSTEMS AND THEIR USERS			
0	<i>Name</i>	OS	☞Comments
1	<i>Aaron</i>	Mac OSX	☞Also uses Linux (Ubuntu)
2	<i>Brad</i>	Ubuntu	☞Also uses OSX
3	<i>Alex</i>	Mac OSX	☞Games on Windows
4	<i>Two-Square</i>	This is a multicolumnar thing.	
5	<i>Zach</i>	Windows	☞Console gamer

13 OT Tableaux

	dap	MAX	*CODA	IDENT	*VOIOBS
a.	da	*!			*
b.	dapa		*!		
c.	☞dap			*	*

14 Bibliogs and Citations

This is a very interesting fact (Aoun 1985, Lobeck 1993) Also interesting is this (see specifically Aoun 1985 and Lobeck 1993)

To add a reference that's not been cited, use :

References

- AOUN, JOSEPH (1985). *Generalized Binding*. Foris, Dordrecht.
- BOSQUE, IGNACIO (1986). *Constricciones Morfológicas Sobre La Coordinación [Morphological Constrictions of Coordination]*. Ms. Universidad Complutense, Madrid.
- CHOMSKY, NOAM (1993). *A Minimalist Program for Linguistic Theory*. In Kenneth Hale and Samuel Jay Keyser (Eds.) *The View from Building 20: Essays in Linguistics in Honor of Sylvain Bromberger*. MIT Press, Cambridge.
- CONNELL, BRUCE (2002). *Tone languages and the universality of intrinsic F0: evidence from Africa*. *Journal of Phonetics* 30, issue 1, pp. 101-129.
- CONTRERAS, HELES (1989). *On Spanish Empty N' and N*. In Carl Kirschner and Janet Decesaris (Eds.) *Studies in Romance Linguistics*. John Benjamins Publishing Company, Amsterdam.
- HARRIS, JAMES (1991). *The Form Classes of Spanish Substantives*. In Geert Booik and Jaap van Marle (Eds.) *Yearbook of Morphology 4*. Kluwer, Dordrecht.
- INKELAS, SHARON, JONATHAN BARNES, JEFF GOOD, DARYA KAVITSKAYA, ORHAN ORGUN, RONALD SPROUSE, AND ALAN YU (2001). *Stress and Vowel-to-Vowel Coarticulation in Turkish*. LSA 2001: Handout .
- LICERAS, JUANA M., LOURDES DÍAZ, AND CAROLINE MONGEON (2000). *N-Drop and Determiners in Native and Non-Native Spanish: More on the Role of Morphology in the Acquisition of Syntactic Knowledge*. *Círculo de Lingüística Aplicada a la Comunicación* 3.
- LOBECK, ANNE (1986). *Syntactic Constraints on VP Ellipsis*. Doctoral Dissertation. University of Washington.
- (1993). *Strong Agreement and Identification: Evidence from Ellipsis in English*. *Linguistics* 31:777–811.
- (1995). *Ellipsis: Functional Heads, Licensing, and Identification*. Oxford University Press, Oxford.
- RIZZI, LUIGI (1986). *Null Objects in Italian and the Theory of pro*. *Linguistic Inquiry* 17:501–557.
- WASHINGTON, JONATHAN NORTH (2006). *An Investigation of Kyrgyz Rounding Harmony*. Unpublished squib: <http://jnw.name/papers/2006sp-harmony.pdf> .
- WHITE, LYDIA, ELENA VALENZUELA, MARTYNA KOZLOWSKA-MACGREGOR, AND YAN-KIT INGRID LEUNG (2004). *Gender and Number Agreement in Nonnative Spanish*. *Applied Psycholinguistics* 35:105–133.