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Tree Drawing in LaTeX

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The qtree package

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 • Greg Lee's "tree" preprocessor: this is a general (unix) tool for drawing trees. It runs as a preprocessor, and can produce output suitable for TEX and LATEX. It is very simple and quite flexible, but has two major drawbacks: (a) it runs as a preprocessor (so you have to remember to
 Tree Drawing in LaTeX
 TikZ/PGF is a flexible and powerful package for creating graphics in LaTeX. It's syntax can be somewhat overwhelming at the beginning. In this post I show the basics of tree drawing using TikZ and LuaLaTeX. The following code only works with LuaLaTeX. Make sure you use the lualatex engine rather than standard tex/latex for typesetting.
 Drawing trees with TikZ/PGF and LuaLaTeX - texblog
 To draw the tree, we put these commands in the node labels, preceded by some commands to adjust the space between nodes (see below):

$$\begin{parsetree} \psthorgap {75pt} \ptvergap {40pt} (.\fsA . .\fsB . .\fsC .) \end{parsetree}$$
 This example uses the parsetree declarations:

$$\psthorgap$$

and `\ptvergap`: The parser Package for Drawing Trees in LaTeX family tree [Open in Overleaf] A simple Tree [Open in Overleaf] Decision tree [Open in Overleaf] Fault tree [Open in Overleaf] Feynman diagram [Open in Overleaf] Filesystem tree [Open in Overleaf] H-tree and b-tree [Open in Overleaf] Merge sort recursion tree TikZ examples feature: Trees The lines used to draw trees look better if this package is used with the styles `epic.sty` and `eepic.sty`, which provide enhancements to the LaTeX `picture` environment. This version of `qtree` will automatically include `eepic.sty` if it can find it, so if `eepic.sty` is in the style files directory, it should not be necessary to give "eepic" as a style argument. The `qtree` package Qtree, a LATEX tree-drawing package. Jeffrey Mark Siskind (tree drawing and core package) Alexis Dimitriadis (parser and extensions) Version 3.1b, 12 December 2008. 1 Overview. The Qtree package consists of QobiTree, a package of tree-drawing macros written by Jeffrey Siskind, and a front end that allows trees to be speci-

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```
\documentclass {article}
\usepackage [latin1]
{inputenc} \usepackage
{tikz} \usetikzlibrary
{trees} \begin
{document} \pagestyle
{empty} % Set the
overall layout of the tree
\tikzstyle {level 1} = ...
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```

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DavidChiang

chiang@isi.edu

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 for tree={ font=\sffamily,
 text=white, text
 width=2cm, minimum
 height=0.75cm, if level=0
 {fill=mygreenii}
 {fill=mygreeni}, rounded
 corners=4pt, grow'=0,
 child anchor=west, parent

anchor=south,
 anchor=west,
 calign=first,
 edge={mygreenii,rounde
 d corners,line width=1pt},
 edge path={
 \noexpand\path [draw,
 \forestoption{edge}]
 (!u.south west) +(7.5pt,0)
 |- (.child
 anchor)\forestoption{edg
 e label}; }, before
 typesetting nodes={ if
 n=1 {insert
 before={[,phantom]}} {
 }}, fit=band, s sep=15pt,
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 2013: Tree for 2014: Tree
 for 2015: Tree for 2016:
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 .\fsA . .\fsB . .\fsC .) \end
 {parsetree} This example
 uses the parsetree
 declarations: \pthorgap
 and \ptvergap :

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