The ltablex package*

Anil K. Goel (akgoel@uwaterloo.ca)

1995/11/06

The file modifies the tabularx environment to combine the features of the tabularx package (auto-sized columns in a fixed width table) with those of the longtable package (multi-page tables).

The tables are typeset using the tabularx environment and the longtable environment is used internally to handle multi-page tables. The \setlongtables feature is used, and, therefore, the document should be run through latex twice.

Another feature that has been added is to treat the X columns like ‘l’ columns if the table contents would allow that to happen without exceeding the specified width of the table. In other words, the specified width is treated as the maximum allowed and not the exact width of the table. This feature is the default but can be disabled (or enabled) with \keepXColumns (or \convertXColumns).

Caveats:

- The document needs to be latexed a couple times in general.
- In general, it is necessary to remove the .aux file before the first latex run on the document.
- The table should not be larger than \TeX’s memory capacity

Here is a a simple usage example:

\begin{verbatim}
\documentclass{article}
\usepackage{ltablex}
\textwidth=4in
\end{verbatim}

*This manual corresponds to ltablex v1.0, dated 1995/11/06.
\begin{document}
\begin{tabularx}{\linewidth}{% col 1; auto-sized ragged right
|>{\setlength{\hsize}{.5\hsize}\raggedright\arraybackslash}X|% col 2; default centered
|c|% col 3; auto-sized ragged left
|>{\setlength{\hsize}{1.5\hsize}\raggedleft\arraybackslash}X|% col 4; default left-justified
|l|}
\caption*{The Table Caption}\hline F-Head1 & F-Head2 & F-Head3 & F-Head4\hline Head1 & Head2 & Head3 & Head4\hline Head1 & Head2 & Head3 & Head4\hline Foot1 & Foot2 & Foot3 & Foot4\hline L-Foot1 & L-Foot2 & L-Foot3 & L-Foot4\hline \end{document}
This is a very long sentence not likely to fit\not too long\not long\\
\hline
filler & filler & filler & filler\\
\hline
This is a very long sentence not likely to fit\not too long\not long\\
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This is a very long sentence not likely to fit\not too long\not long\\
\hline
\end{tabularx}

\begin{tabularx}{\linewidth}{|c|X|c|}
\hline
a & convert X to l & b\\
\hline
\end{tabularx}

\begin{tabularx}{\linewidth}{|c|X|c|}
\hline
a & retain X & b\\
\hline
\end{tabularx}
\begin{tabularx}{\linewidth}{|c|X|c|}
\hline
a \& convert X to l \& b
\hline
\end{tabularx}