I'm also tired of seeing "this" ("this"). It should be "that" (''that'')! Notice how " will always give the wrong result on the left. When using Computer Modern fonts, " gives the right result on the right, but it may not work for other fonts.

And I think that  $\tilde{S}$  looks too wimpy. Beef it up with a \widetilde to get  $\tilde{S}$ .

10. Read Chapter 18. Just do it!

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## Macros

## The bag of tricks

Victor Eijkhout

Hello all. From Jonathan Kew I received the following useful macros. Their purpose is to make testing hyphenation patterns easier. We all know about <code>\showhyphens</code>, but for long lists of words using this is tedious. The macro <code>\printhyphens</code> takes a list of words and prints their hyphenation on consecutive lines. T<sub>E</sub>X hackers will get a kick out of these macros. In particular the nested use of <code>\everypar</code> is neat.

```
\def\breakafterword
  {\catcode'\^^M\active\catcode'\ \active}
  {\breakafterword%
  \gdef^^M{\par}\global\let ^^M}
  \def\getlastline{\setbox0\lastbox
    \ifvoid0 \let\next\nomorelines
  \else \unskip\unpenalty
    \setbox1\hbox
      {\unhbox0\strut\discretionary{}{}}
    \let\next\getlastline
  \fi \next}
  \def\nomorelines{\unhbox1}
    A small test
  \begingroup
```

\printhyphens
photograph photography photographer
photographical photographically
hypersupersuperdupercali%
fragilisticexpihalidocious
Eijkhout

\endgroup

gives

pho-to-graph pho-tog-ra-phy pho-tog-ra-pher pho-to-graph-i-cal pho-to-graph-i-cally hy-per-su-per-su-perduper-cal-ifrag-ilis-tic-ex-pihali-do-cious Eijk-hout

The \discretionary{}{}{} is an addition to the original macros; I took it from the macro by Oliver Schoett that is used for the hyphenation exception list of TUB. Its purpose is to make line breaks possible for long words.

And that's it for this time. More contributions from readers are welcome!

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