

# The **lscape** package\*

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This file is maintained by the L<sup>A</sup>T<sub>E</sub>X Project team.  
Bug reports can be opened (category **graphics**) at  
<http://latex-project.org/bugs.html>.

All text, within the **landscape** environment is rotated through 90 degrees. The environment may span several pages. It works well with, and was originally created for, use with **longtable** to produce long wide tables.

All the work is done by the **graphics** package, the trick is to call it at the right place in the output routine to rotate the current page before the page head and foot are added.

<sub>1</sub> (\*package)

Here is what Scott Pakin wrote about the pdfTeX option:

I've made a minor improvement to lscape.dtx that I'd like to share with the world. My addition makes lscape rotate the PDF "paper" -- not just the text on the page -- when given the "pdfTeX" option. (Naturally, this works only with pdfLaTeX.) The result is that the text is viewable online without the reader having to rotate his/her head 90 degrees. The document still prints normally.

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```

2 \newif\ifGin@pdftex
3 \Gin@pdftexfalse
4 \DeclareOption{pdftex}{%
5   \PassOptionsToPackage{CurrentOption}{graphics}
6   \Gin@pdftexttrue
7 }
8 \DeclareOption*{\PassOptionsToPackage{CurrentOption}{graphics}}
9 \ProcessOptions
10 \RequirePackage{graphics}
11 \let\LS@makecol=\@makecol
12 \let\LS@makefcolumn=\@makefcolumn
13 \def\LS@rot{%
14   \setbox\@outputbox\vbox{\hbox{\rotatebox{90}{\box\@outputbox}}}}
15   First set up the page size for landscape.
16   \def\landscape{%
17     \clearpage
18     \begingroup
19     \vsize=\textwidth
20     \hsize=\textheight
21     \linewidth=\hsize
22     \columnwidth=\hsize
23     \colroom=\vsize
24     \textheight=\vsize
25     \colht=\vsize
26   }
27   Rotate the page body (text and float pages).
28   \def\@makecol{\LS@makecol\LS@rot}%
29   \def\@makefcolumn#1{\LS@makefcolumn{#1}\LS@rot}}
30   Restore everything. This is where the pdftex option makes a difference.
31   \def\endlandscape{%
32     \ifGin@pdftex

```

```

29 \pdfpageattr{/Rotate 90}
30 \fi
31 \clearpage
32 \endgroup
33 \global\@colht=\textheight
34 \global\vsiz=\textheight
35 \global\@colroom=\textheight}
36 </package>

```