

# The **lscape** package\*

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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.

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.

```
2 \newif\ifGin@pdftex
3 \Gin@pdftexfalse
4 \DeclareOption{pdftex}{%
5   \PassOptionsToPackage\CurrentOption{graphics}
6   \Gin@pdftextrue
7 }
8 \DeclareOption*{\PassOptionsToPackage\CurrentOption{graphics}}
```

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```

9 \ProcessOptions
10 \RequirePackage{graphics}
11 \let\LS@makecol=\@makecol
12 \let\LS@makefcolumn=\@makefcolumn
13 \def\LS@rot{%
14   \setbox\@outputbox\vbox{\rotatebox{90}{\box\@outputbox}}}%

    First set up the page size for landscape.
15 \def\landscape{%
16   \clearpage
17   \begingroup
18     \vsize=\textwidth
19     \hsize=\textheight
20     \linewidth=\hsize
21     \columnwidth=\hsize
22     \colroom=\vsize
23     \textheight=\vsize
24     \colht=\vsize

    Rotate the page body (text and float pages).
25   \def\@makecol{\LS@makecol\LS@rot}%
26   \def\@makefcolumn#1{\LS@makefcolumn{#1}\LS@rot}}

    Restore everything. This is where the pdftex option makes a difference.
27 \def\endlandscape{%
28   \ifGin@pdftex
29     \pdfpageattr{/Rotate 90}
30   \fi
31   \clearpage
32   \endgroup
33   \global\@colht=\textheight
34   \global\vsize=\textheight
35   \global\@colroom=\textheight}

```

36 </package>