

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.

```
1 (*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.

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

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```

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   Rotate the page body (text and oat pages).
27   \def\@makecol{\LS@makecol\LS@rot}%
28   \def\@makefcolumn#1{\LS@makefcolumn{#1}\LS@rot}}
29   Restore everything. This is where the pdfTeX option makes a difference.
30 \def\endlandscape{%
31   \ifGin@pdfTeX
32   \pdfpageattr{/Rotate 90}
33   \fi
34   \clearpage
35   \endgroup
36   \global\@colht=\textheight
37   \global\vsize=\textheight

```

```
35 \global\@colroom=\textheight}
36 \end{package}
```