The lscape package*

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> This file is maintained by the LaTeX Project team.
> Bug reports can be opened (category **graphics**) at
> https://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.

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.

1

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

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⟩
```