

## Remember—even T<sub>E</sub>X has limits!

T<sub>E</sub>X’s maximum dimension is the value of `\maxdimen` which is 16383.99998pt or approximately 5758.3mm. Setting any measurement which exceeds `\maxdimen` will cause T<sub>E</sub>X to report an error: Dimension too large.

## The purpose of this template

**NOTE:** This template is **not** intended for final book production but, instead, it provides a tool for visualizing the layout of a book that will be produced with LaTeX’s `book.cls`—i.e.:

```
\documentclass[twoside]{book}
```

The template writes out a file called `mypagesetup.tex` each time you successfully typeset a document. That file contains L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> code to set the various parameters needed to implement your layout—for example, here are the current values that were calculated when you compiled this project:

```
\pdfpagewidth=250mm
\pdfpageheight=370mm
\setlength{\hoffset}{0mm}
\setlength{\voffset}{0mm}
\setlength{\evensidemargin}{57.1mm}
\setlength{\oddsidemargin}{20.1mm}
\setlength{\headheight}{10mm}
\setlength{\headsep}{5mm}
\setlength{\footskip}{12mm}
\setlength{\topmargin}{37.1mm}
\setlength{\textwidth}{122mm}
\setlength{\textheight}{218mm}
\setlength{\marginparsep}{5mm}
\setlength{\marginparwidth}{35mm}
```

To use `mypagesetup.tex` in your project:

- download this template-based project as a ZIP file
- extract `mypagesetup.tex`
- include it in your own project: use `\input mypagesetup.tex` before using `\begin{document}`
- be sure to use `\documentclass[twoside]{book}`.

## The template commands and their arguments

Note:

- [OPT] denote an *optional* command—you do not need to use it.



**MARGINPAR**

- [REQ] denotes a *required* command—you must set the values used by this command

```
[OPT] \setmarginpars{#1}{#2}
#1=value for \marginparsep (in mm)
#2=value for \marginparwidth (in mm)
```

`\setmarginpars` sets values for `\marginparsep` and `\marginparwidth`. The default values are both zero so you don't need to use this command unless you want to create margin paragraphs. Note that the boundary of margin paragraphs will only be displayed by `\showvisuals` when `\marginparwidths` is non-zero.

Example: `\setmarginpars{5}{20}`

```
[REQ] \setheadfoot#1#2#3
#1=value for headheight (in mm)
#2=value for headsep in mm (in mm)
#3=value for footskip in mm (in mm)
```

`\setheadfoot` is used to set values for the following L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> parameters:

- `\headheight`
- `\headsep`
- `\footskip`

Example: `\setheadfoot{18}{5}{10}`

```
[REQ] \setpage#1...#8

#1=value for paper width (in mm)
#2=value for paper height (in mm)
#3=value for book page width (in mm)
#4=value for book page height(in mm),
#5=value for book outer margin (in mm)
#6=value for book inner margin (in mm)
#7=value for book top margin (in mm)
#8=value for book bottom margin (in mm)
```

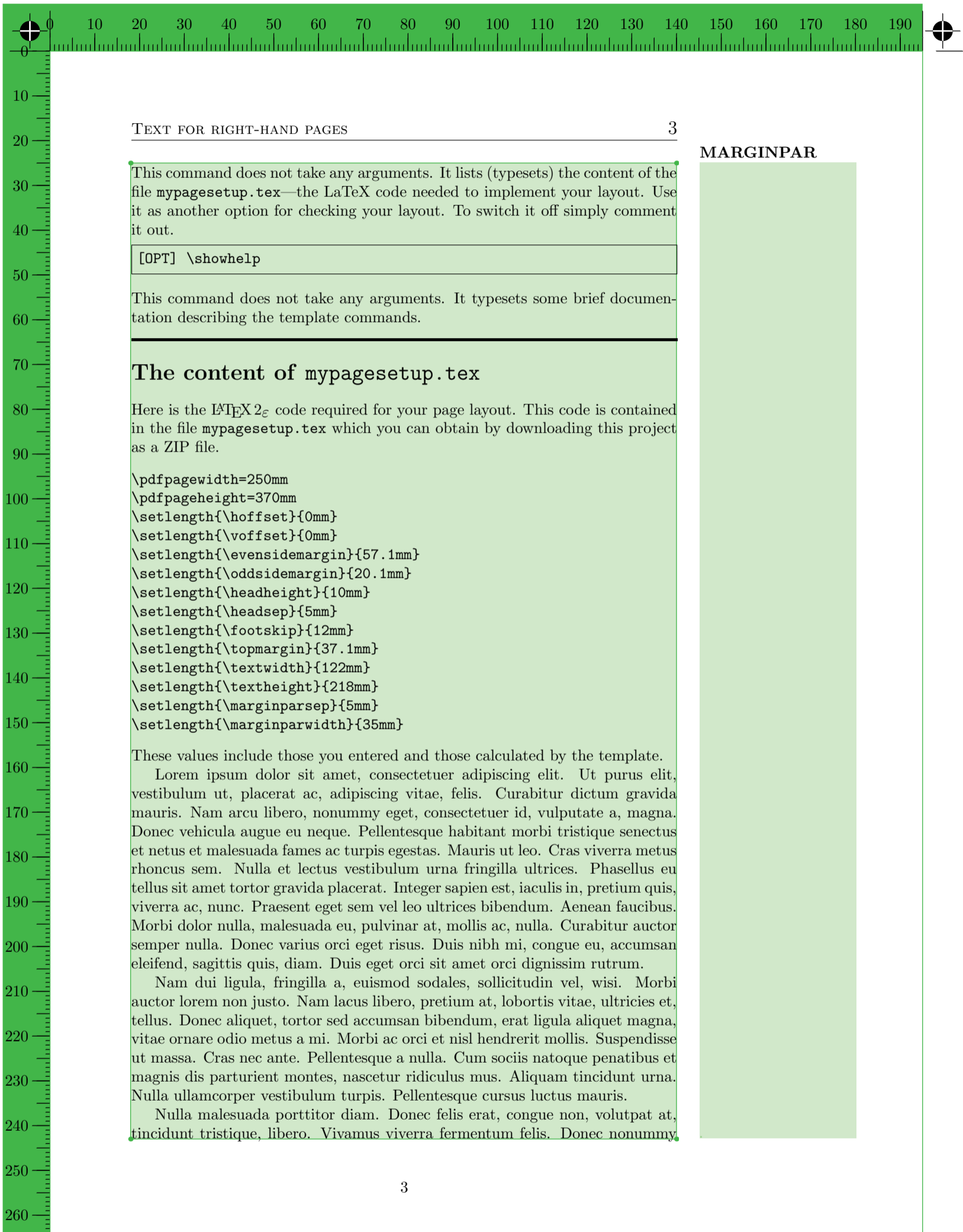
Example:  
`\setpage{250}{350}{160}{250}{18}{25}{5}{12}`

You use this after you have set values using `\setmarginpars` and `\setheadfoot`

```
[OPT] \showvisuals
```

This command does not take any arguments. It switches on the display of visual rulers and guides that help you check your layout. To switch them off simply comment it out.

```
[OPT] \showvalues
```



This command does not take any arguments. It lists (typesets) the content of the file `mypagesetup.tex`—the LaTeX code needed to implement your layout. Use it as another option for checking your layout. To switch it off simply comment it out.

```
[OPT] \showhelp
```

This command does not take any arguments. It typesets some brief documentation describing the template commands.

### The content of `mypagesetup.tex`

Here is the  $\text{\LaTeX} 2_{\epsilon}$  code required for your page layout. This code is contained in the file `mypagesetup.tex` which you can obtain by downloading this project as a ZIP file.

```
\pdfpagewidth=250mm
\pdfpageheight=370mm
\setlength{\hoffset}{0mm}
\setlength{\voffset}{0mm}
\setlength{\evensidemargin}{57.1mm}
\setlength{\oddsidemargin}{20.1mm}
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\setlength{\footskip}{12mm}
\setlength{\topmargin}{37.1mm}
\setlength{\textwidth}{122mm}
\setlength{\textheight}{218mm}
\setlength{\marginparsep}{5mm}
\setlength{\marginparwidth}{35mm}
```

These values include those you entered and those calculated by the template.

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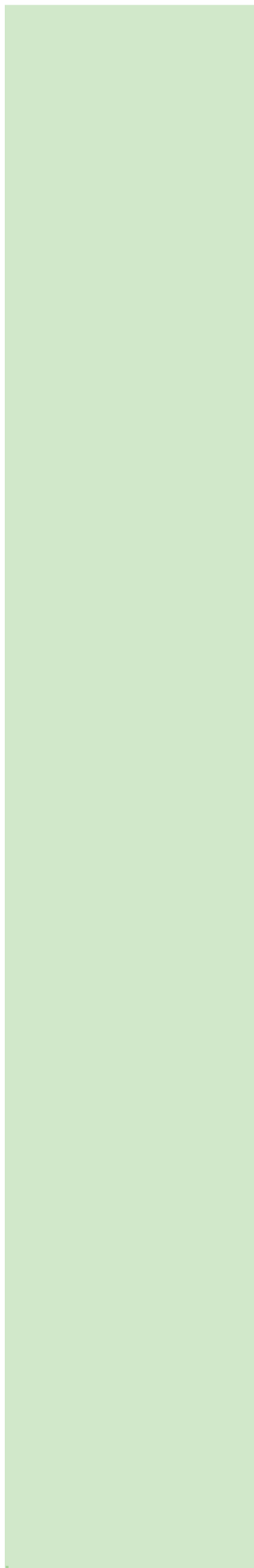
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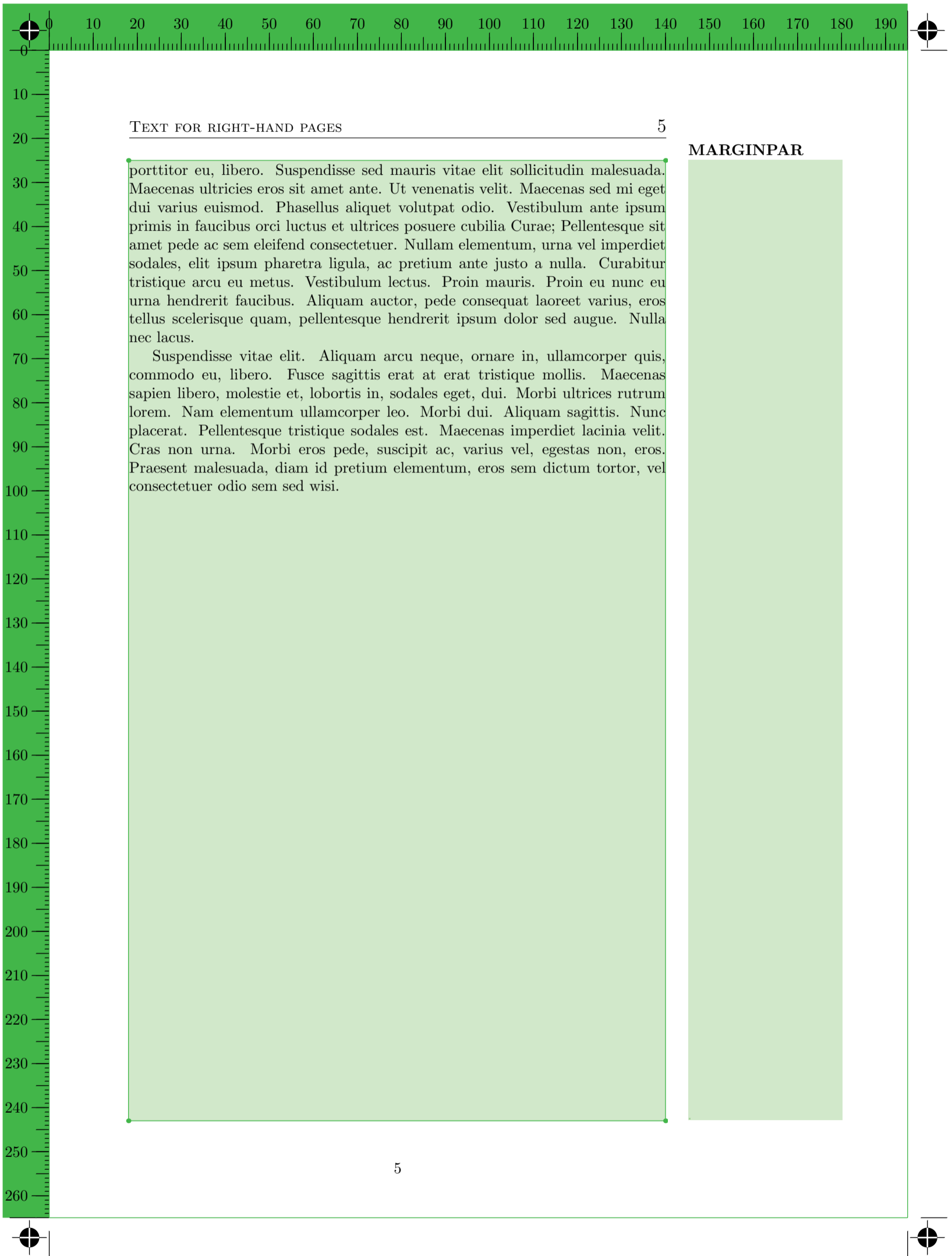
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