

nodepthtext

Adapt small texts,
with empty depth.

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<https://github.com/cpierquet/nodepthtext>

A sample text to show letters with depth.
A samPle text to show letters without depth.

A text to show letters with depth.
A text to show letters without depth.
A text to show letters without depth and rescaling.

A text to show letters with depth (inconsolata).
A text to show letters w/o depth (inconsolata).
A text w/o depth and scaling (inconsolata).

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1 Introduction

1.1 Loading, useful packages

In order to load `nodephtext`, simply use:

```
\usepackage{nodephtext}
```

Loaded packages are `graphicx`, `xstring` and `calc`.

1.2 Usage, limitations

The purpose of this package is to provide command, based on `\raisebox` and `\resizebox`, to locally remove depth of characters.

- the code read characters one by one;
- whenever a character (letter or punctuation. . .) with depth is processed, this character is raised and resized in order to match others characters;
- if Lua \LaTeX is used, accented characters can be given normally (`utf8`), but with pdf \LaTeX , they must be given within \LaTeX syntax.

So, for accented letters (because `xstring` processes the characters), please load `inputenc` and `fontenc` with corrects options if pdf \LaTeX is used (not necessary with Lua \LaTeX).

```
%example with pdflatex preamble  
\usepackage[T1]{fontenc}  
\usepackage[utf8]{inputenc}
```

1.3 History

0.1.0: Initial version

2 The macro

The main macro is `\nodepth`.

```
\nodepth[scale]{text}
```

The optional argument, within `[...]`, can modify scale for modified characters (`0.8` by default). The mandatory argument, within `{...}`, is a small text to process (beware of accentuated characters). In order to work with sizes and fonts, the macro needs to be given within the group of defined size/font!

3 Samples

3.1 With custom size

```
%normal version, with depth of letters
{\LARGE\ttfamily A text to show letters with depth.}

%nodepth version, with removing depth and resizing
{\LARGE\ttfamily\nodepth{A text to show letters without depth.}}\
{\LARGE\ttfamily\nodepth[0.7]{A text to show letters without depth and scaling.}}
```

```
A text to show letters with depth.
A text to show letters without depth.
A text to show letters without depth and scaling.
```

3.2 With custom font, and accents

```
%use inconsolata font (with pdfLaTeX)
\newcommand\fontIZ{\fontencoding{T1}\fontfamily{zi4}\fontseries{sb}\selectfont}
```

```
%normal version, with depth of letters and accents (inconsolata font)
{\large\fontIZ A text to show depth and a word with accents, météo.}\

%nodepth version, with removing depth and resizing and accents...
{\large\fontIZ\nodepth{Quote text w/o depth and a word with accents, m\'}{e}t\'}{e}o.}}\
{\large\fontIZ\nodepth[0.7]{Quote text w/o depth, scaling and a word with accents,
  m\'}{e}t\'}{e}o.}}
```

```
A text to show depth and a word with accents, météo.
```

```
Quote text w/o depth and a word with accents, météo.
```

```
Quote text w/o depth, scaling and a word with accents, météo.
```

4 The code

```
% Author      : C. Pierquet
% licence     : Released under the LaTeX Project Public License v1.3c or later, see http://www.latex-project.org/lppl.txt

\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{nodepthtext}[2024/11/11 0.1.0 Raise small texts for "no depth" letters]

%===HISTORIQUE
% v 0.1.0 Initial version

%===BASE
\RequirePackage{xstring}
\RequirePackage{calc}
\RequirePackage{graphicx}

%===DIMS & Useful
\newlength\depthletter
\newlength\depthsampleletter
\newcount\cptraiseletter
\def\sampleslettersnodepth{azertuiosdhklmwxcvbnAZERTYUIOPSDFGHJKLMWXCVBN}

%===INT MACRO
\NewDocumentCommand\raiseletter{ 0{0.8} m m }{%
  \settodepth{\depthletter}{\hbox{#3}}%
  \ifdim\depthletter>#2%
    \raisebox{\dimexpr#1\depthletter-#2\relax}{\resizebox{\width}{#1\height}{#3}}%
  \else%
    {#3}%
  \fi%
}

%===MAIN MACRO
\NewDocumentCommand\nodepth{ 0{0.8} m }{%
  \settodepth{\depthsampleletter}{\hbox{\sampleslettersnodepth}}%
  \StrLen{#2}[\tmplenword]%
  \cptraiseletter0%
  \loop\ifnum\cptraiseletter<\tmplenword%
    \advance\cptraiseletter by 1%
    \raiseletter[#1]{\depthsampleletter}{\StrChar{#2}{\the\cptraiseletter}}%
  \repeat%
}

\endinput
```