

# The latexmark package

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## 1 The uninormalize package

The purpose of this package is to provide unicode normalization for LuaLaTeX. It is based on Arthur Reutenauer's code for GSOC 2008, which was adapted a little bit to work with current Luaotfload. For more information, see this question on TeX.sx.

### 1.1 Basic usage

```
\documentclass{article}
\usepackage{fontspec}
\usepackage[czech]{babel}
\setmainfont{Linux Libertine O}
\usepackage{uninormalize}
\begin{document}
```

Some tests:

```
\begin{itemize}
  \item combined letter %GREEK SMALL LETTER ALPHA (U+03B1) + COMBINING GREEK YPOGEGRAMMENI
  \item normal letter % GREEK SMALL LETTER ALPHA WITH YPOGEGRAMMENI (U+1FB3)
\end{itemize}
```

Some more combined and normal letters:

óôõöő

Linux Libertine does support some combined chars: `\parbox{4em}{příliš}`  
`\end{document}`

This package does have three options:

- `buffer` - normalize processed document when it is read from disk. This is the default option and seems to work better than the other one.
- `nodes` - normalize LuaTeX nodes. This unfortunately doesn't work well, because sometimes the input characters are changed before this stage, probably by font processing.
- `debug` - print debug messages to the terminal output

## 1.2 Example results:

Some tests:

- combined letter  $\alpha$
- normal letter  $\alpha$

Some more combined and normal letters:  $\acute{o}\acute{o}\ddot{o}\ddot{o}$

Linux Libertine does support some combined chars: příliš