

The lua-check-hyphen package

Checking your hyphenated words

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Contents

1	Introduction	1	4	Visual marker	2
2	Usage	1	5	Final document	2
3	Advanced usage	1			

1 Introduction

TeX is pretty good at hyphenating words. But a computer algorithm is not perfect, sometimes we wish to manually check all used hyphenations in a document. This package helps you on this task.

2 Usage

This package only works with LuaTeX. To activate it a

```
\usepackage{lua-check-hyphen}
```

is enough.

When you process your document with LuaTeX, a file with the suffix `.uhy` is created with that contains every hyphenated word. You can check that file for hyphenation errors.

3 Advanced usage

With longer documents it becomes tedious checking for the same hyphenated words over and over. Therefore this package allows you to create a whitelist of *accepted hyphenation*. This whitelist is a simple textfile where the words are separated by whitespace and the allowed hyphenation is marked with a dash (-). You can use the output file `.uhy` as an input for the whitelist file. You load the file in your document with

```
\LuaCheckHyphen{whitelist=myfile.txt}
```

and a sample file looks like this:

```
seren-ity  
morn-ings  
posses-sion
```

or

```
seren-ity morn-ings posses-sion
```

The format is not important, the entries must be separated by whitespace.

Words in this whitelist won't be reported. `lua-check-hyphen` assumes that these are valid break points.

You can have more than one whitelist file by giving the filenames separated by comma:

```
\LuaCheckHyphen{whitelist={file1.txt,file2.txt,file3.txt}}
```

4 Visual marker

You might want to use the PDF viewer to check for incorrectly hyphenated words. To enable visual feedback, just pass the `mark` option to the `\usepackage` or to the `\LuaCheckHyphen` command:

```
\usepackage{lua-check-hyphen}  
% or:  
\LuaCheckHyphen{mark}
```

This marks all non-whitelisted used hyphenation points in the document with a black square (not to be confused with overfull boxes):

```
A wonderful seren-  
ity has taken posses-  
sion of my entire soul,  
like these sweet morn-  
ings of spring which I  
enjoy with my whole  
heart.
```

5 Final document

When you pass the Option `final` to the `\documentclass`, the `\usepackage` or the `\LuaCheckHyphen` command, all processing is disabled.