

# CHANGEBAR TEST FILE FOR ADVANCED FEATURES

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## Abstract

This file tests various advanced features of the changebar package.  
**Text that should have a changebar is printed in red, so that it can easily be checked that the changebars are in the proper position.** This changebar should be on the left.

This file contains the following features which in combinations used to give problems in versions of changebar before version 3.5: Twoside document, onecolumn and towcolumn text, figures, columns of figures, page changes in the midst of a document.

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This file tests various advanced features of the changebar package. Text that should have a changebar (like this) is printed in red, so that it can easily be checked that the changebars are in the proper position. On this page, the changebar should be on the right. This file contains the following features which in combinations used to give problems in versions of changebar before version 3.5: Twoside document, onecolumn and towcolumn text, figures, columns of figures, page changes in the midst of a document.

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Here is a thicker changebar. Text that should have a changebar (like this) is printed in red, so that it can easily be checked that the changebars are in the proper position. On this page, the changebar should be on the right. We also include a formula with large descenders which should be completely

covered by the changebar:

$$\cfrac{1}{2 + \cfrac{1}{3 + \cfrac{1}{4 + \dots}}}$$

This is a figure. It has its own changebar. This is a figure. This is a figure. It has its own changebar. This is a figure. This is a figure. It has its own changebar. This is a figure. This is a figure.

Figure 1: This is a test figure

This is a figure. It inherits a changebar from the environment. This is a figure. This is a figure. This is a figure. It inherits a changebar from the environment. This is a figure. This is a figure.

Figure 2: This is a test figure

## 1 Introduction

This file tests various advanced features of the changebar package. This file contains the following features which in combinations used to give problems in versions of changebar before version 3.5: Twoside document, onecolumn and towcolumn text, figures, columns of figures, page changes in the midst of a document. It should work both with latex, followed by a supported Postscript driver, and with pdflatex.

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Sections that have been added or modified are marked with a bar in the margins. This is a small para-

graph that crosses a column boundary. It should have a changebar in both parts.

## 2 Continuation

This part contains a changebar that crosses several column and page boundaries. Please note that it crosses several figures also but those have their own changebars (or not), they do not fall inside the continuation changebar.

### 2.1 Enlarged column

This file tests various advanced features of the changebar package. This file contains the following features which in combinations used to give problems in versions of changebar before version 3.5: Twoside document, onecolumn and towcolumn text, figures, columns of figures, page changes in the midst of a document.

**This column is enlarged, therefore its extends in the footer.**

**The changebar should also cover the extended text.**

This is a figure. This is a figure.  
This is a figure. This is a figure.

Figure 3: Test figure

This is a figure. It has its own  
changebar. This is a figure. It  
has its own changebar. This is a  
figure. It has its own changebar.  
This is a figure. It has its own  
changebar. This is a figure. It  
has its own changebar. This is a  
figure. It has its own changebar.

Figure 4: Test figure

This is a figure. It has a change-  
bar from the environment. This is a  
figure. It has a changebar from the  
environment. This is a figure.  
It has a changebar from the envi-  
ronment. This is a figure. It has a  
changebar from the environment.

Figure 5: Test figure

This file contains the following  
features which in combinations  
used to give problems in versions  
of changebar before version 3.5:  
Twoside document, onecolumn and  
towcolumn text, figures, columns of  
figures, page changes in the midst  
of a document. It should work both  
with latex, followed by a supported  
Postscript driver, and with pdflatex.

## Specific issues

Here we change the page  
number (skipping one page).  
Therefore we have two even  
pages in a row. The page  
change is in the righthand  
column which is not proper  
LaTeX coding, but it should be  
handled properly. This file tests  
various advanced features of the  
changebar package. This file contains  
the following features which in com-  
binations used to give problems in  
versions of changebar before version  
3.5: Twoside document, onecolumn  
and towcolumn text, figures, columns  
of figures, page changes in the midst  
of a document. It should work both  
with latex, followed by a supported  
Postscript driver, and with pdflatex.

This part contains a changebar  
that crosses several column and  
page boundaries. Please note that  
it crosses several figures also but  
those have their own changebars

(or not), they do not fall inside the continuation changebar.

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This part contains a changebar that crosses several column and page boundaries. Please note that it crosses several figures also but those have their own changebars

This is a figure. It has a changebar from the environment. This is a figure. It has a changebar from the environment. This is a figure. It has a changebar from the environment. This is a figure. It has a changebar from the environment.

Figure 6: Test figure

This is a figure. It has a changebar from the environment. This is a figure. It has a changebar from the environment. This is a figure. It has a changebar from the environment. This is a figure. It has a changebar from the environment. This is a figure. It has a changebar from the environment. This is a figure. It has a changebar from the environment.

Figure 7: Test figure

This is a figure. It has a changebar from the environment. This is a figure. It has a changebar from the environment. This is a figure. It has a changebar from the environment. This is a figure. It has a changebar from the environment.

Figure 8: Test figure

(or not), they do not fall inside the continuation changebar. The last sentence of this part is outside the changebar.

This is a parbox. It should have a changebar along its total height.  
This is a parbox. It should have a changebar along its total height.  
This is a parbox. It should have a changebar along its total height.  
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This is a figure. It has a changebar from the environment. This is a figure. It has a changebar from the environment. This is a figure. It has a changebar from the environment. This is a figure. It has a changebar from the environment.

Figure 9: Test figure

There should be a lonely figure with a changebar at the right.