1 Introduction

The package \texttt{ltablex} supports an environment \texttt{tabularx} with the possibility of pagebreaks and the same header/footer definitions as in the package \texttt{longtable}. But the old behaviour of the \texttt{tabularx} environment is no more possible.

The package \texttt{xltabular} defines an environment of the same name which behaves like a \texttt{tabularx} as a \texttt{longtable}. In short: it is a \texttt{longtable} with the column specifier \texttt{X}. But it leaves the \texttt{tabularx} environment with its original behaviour.

The syntax of the environment is similar to the one of \texttt{tabularx}:

\begin{xltabular}[hPos]{width}{ l X ...} 
\caption{... \label{...}}\
\end{xltabular}

\begin{verbatim}
\begin{xltabular}[hPos]{width}{ 1 X ...} 
\caption{... \label{...}}\
\end{xltabular}
\end{verbatim}

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Examples

For the optional argument \texttt{hPos} (horizontal position) the values \texttt{l}, \texttt{r} and \texttt{c} (default) are possible. The environment \texttt{xltabular} uses \texttt{longtable} for typesetting the tabular. The original \texttt{longtable} increases the counter \texttt{table} in any case, with or without a caption. This is not the case with \texttt{xltabular}: no \texttt{caption}, no counter change.

2 Examples

List of Tables

<table>
<thead>
<tr>
<th></th>
<th>Using the original \texttt{tabularx} environment: a pagebreak not possible! This is the reason why the tabular moves to the next page.</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>the \texttt{xltabular} environment with \texttt{longtable} property</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>The \texttt{xltabular} environment with \texttt{longtable} property and left aligned by setting the optional argument</td>
<td>6</td>
</tr>
<tr>
<td>5</td>
<td>File endings (only for a demonstration ...)</td>
<td>8</td>
</tr>
</tbody>
</table>

2.1 The standard \texttt{tabularx} environment

\begin{tabularx}{0.75\textwidth}{@{} lX @{}}
\hline
left column & \blindtext \\
1 & \blindtext \\
left column & \blindtext \\
1 & \blindtext \\
\end{tabularx}

Table 1: Using the original \texttt{tabularx} environment: a pagebreak not possible! This is the reason why the tabular moves to the next page.
2.1 The standard \texttt{tabularx} environment

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.
2.2 The new environment \xltabular

For the demonstration we use a tabular with only one X column. There is no difference to an example with more or other column specifiers. However, there should be at least one X column specifier; it makes no real sense otherwise.

\begin{xltabular}{\linewidth}{@{} X @{}}
\caption{the \texttt{xltabular} environment with \texttt{longtable} property}\\
\BB

Now a manuel \cs{pagebreak} is used and on the following page an automatic pagebreak is done by \texttt{longtable}.\\
\pagebreak
\BBB
\end{xltabular}

Table 2: the xltabular environment with longtable property

| Some nonsense text which fills at least one line of a tabular called nonsense tabular with text. |
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Now a manuel \pagebreak is used and on the following page an automatik pagebreak is done by longtable.
2.2 The new environment xltabular

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Examples

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The command \BBB does nothing else then printing a lot of lines with nonsense.

\begin{xltabular}[1]{0.75\linewidth}@{} lX @{} }
\caption{The \texttt{xltabular} environment with \texttt{longtable} property
and left aligned by setting the optional argument.}\\
\hline
Left column & At first a line with some nonsense text to show how long this line is.
The caption has the same width as the text.\\
left column & \blindtext\\
left column & \blindtext\\
left column & \blindtext\\
left column & \blindtext\\
\hline
\end{xltabular}

Table 3: The \texttt{xltabular} environment with \texttt{longtable} property and left aligned by setting the optional argument.

<table>
<thead>
<tr>
<th>Left column</th>
<th>Left column</th>
</tr>
</thead>
<tbody>
<tr>
<td>At first a line with some nonsense text to show how long this line is. The caption has the same width as the text.</td>
<td>Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kïïf - not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.</td>
</tr>
</tbody>
</table>
left column Hello, here is some text without a meaning. This text
should show what a printed text will look like at this place.
If you read this text, you will get no information. Really?
Is there no information? Is there a difference between this
text and some nonsense like “Huardest gefburn”? Kjift
- not at all! A blind text like this gives you information
about the selected font, how the letters are written and an
impression of the look. This text should contain all letters
of the alphabet and it should be written in of the original
language. There is no need for special content, but the
length of words should match the language.

left column Hello, here is some text without a meaning. This text
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If you read this text, you will get no information. Really?
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of the alphabet and it should be written in of the original
language. There is no need for special content, but the
length of words should match the language.

2.3 \texttt{tabularx} without a caption

Here comes another \texttt{tabularx} but without a caption. It should not increase the table counter.
The following tabular in the last section should have the correct number!

\begin{tabular}{ll}
\texttt{.ext} & Beschreibung \\
\texttt{aux} & (auxiliary) Hilfsdatei, enthält Querverweise usw. \\
\texttt{bb1} & (bibliography) Hilfsdatei, enthält die Einträge für die Literatur \\
\texttt{bib} & (bibtex) enthält die Literaturdaten \\
\texttt{blg} & (bibliography log) enthält die Ausgaben eines Bib\TeX-Laufs \\
\texttt{cfg} & (config) Konfigurationsdatei \\
\texttt{clo} & (class options) Definitionen für die Dokumentenklasse und die entsprechenden Klassen-Optionen \\
\end{tabular}
### 2.4 `xltabular` with the star version of caption

Here comes another `xltabular` with `\caption*`. It should not increase the table counter. The following tabular in the next section should have the correct number!

A caption as star version: no number no entry in the List of Tables

<table>
<thead>
<tr>
<th>.ext</th>
<th>Beschreibung</th>
</tr>
</thead>
<tbody>
<tr>
<td>aux</td>
<td>(auxiliary) Hilfsdatei, enthält Querverweise usw.</td>
</tr>
<tr>
<td>bb1</td>
<td>(bibliography) Hilfsdatei, enthält die Einträge für die Literatur</td>
</tr>
<tr>
<td>bib</td>
<td>(bibtex) enthält die Literaturdaten</td>
</tr>
<tr>
<td>blg</td>
<td>(bibliography log) enthält die Ausgaben eines Bib\TeX-Laufs</td>
</tr>
<tr>
<td>cfg</td>
<td>(config) Konfigurationsdatei</td>
</tr>
<tr>
<td>clo</td>
<td>(class options) Definitionen für die Dokumentenklasse und die entsprechenden Klassen-Optionen</td>
</tr>
</tbody>
</table>

### 2.5 `xltabular` with header/footer definitions

```latex
\begin{xltabular}{\linewidth}{@{} >{\ttfamily}l >{\RaggedRight}X @{}}
\caption{File endings (only for a demonstration \ldots)}
\hline
.ext & Beschreibung\\
\multicolumn{2}{@{}l}{\ldots\small Fortsetzung}\\
\endfirsthead
\multicolumn{2}{@{}l}{\ldots\small Fortsetzung}\\
\endhead
\hline
\multicolumn{2}{r@{}}{\small Fortsetzung\ldots}\\
\endlastfoot
\end{xltabular}
```

Table 5: File endings (only for a demonstration ...)

<table>
<thead>
<tr>
<th>.ext</th>
<th>Beschreibung</th>
</tr>
</thead>
<tbody>
<tr>
<td>aux</td>
<td>(auxiliary) Hilfsdatei, enthält Querverweise usw.</td>
</tr>
<tr>
<td>bb1</td>
<td>(bibliography) Hilfsdatei, enthält die Einträge für die Literatur</td>
</tr>
<tr>
<td>bib</td>
<td>(bibtex) enthält die Literaturdaten</td>
</tr>
</tbody>
</table>

Fortsetzung...
### References

