

	<p>Creating Flow Frames for Posters or Magazines</p> <p>Nicola L. C. Talbot</p>
--	---

	<p>Creating Flow Frames for Posters or Magazines</p> <p>Nicola L. C. Talbot</p>
--	---

	<p>Creating Flow Frames for Posters or Magazines</p> <p>Nicola L. C. Talbot</p>
--	---

This is a modified version of the manual for the `flowfram` package. It is intended to illustrate what can be done. See the full manual for a comprehensive description.

If the columns are very narrow, it may be better to use `\raggedright`, otherwise  $\mathrm{T}_{\mathrm{E}}\mathrm{X}$  may have a problem working out the line breaks.

This is a modified version of the manual for the `flowfram` package. It is intended to illustrate what can be done. See the full manual for a comprehensive description.

If the columns are very narrow, it may be better to use `\raggedright`, otherwise  $\mathrm{T}_{\mathrm{E}}\mathrm{X}$  may have a problem working out the line breaks.

This is a modified version of the manual for the `flowfram` package. It is intended to illustrate what can be done. See the full manual for a comprehensive description.

If the columns are very narrow, it may be better to use `\raggedright`, otherwise  $\mathrm{T}_{\mathrm{E}}\mathrm{X}$  may have a problem working out the line breaks.

## 2.1 Flow Frames

The flow frame is the principle type of frame. The text of the document environment will flow from one frame to the next in order of definition. Each flow frame has an associated width, height, position on the page, and optionally a border. It is recommended that all the flow frames in a document have the same width, otherwise problems may occur when a paragraph spans to flow frames of unequal widths. This is because  $\text{\TeX}$ 's output routine does not register the change in `\hsize` until it reaches a paragraph break. If it is absolutely necessary for flow frames to have unequal widths, judicious use of `\framebreak` is required.

## 2.1 Flow Frames

The flow frame is the principle type of frame. The text of the document environment will flow from one frame to the next in order of definition. Each flow frame has an associated width, height, position on the page, and optionally a border. It is recommended that all the flow frames in a document have the same width, otherwise problems may occur when a paragraph spans to flow frames of unequal widths. This is because  $\text{\TeX}$ 's output routine does not register the change in `\hsize` until it reaches a paragraph break. If it is absolutely necessary for flow frames to have unequal widths, judicious use of `\framebreak` is required.

## 2.1 Flow Frames

The flow frame is the principle type of frame. The text of the document environment will flow from one frame to the next in order of definition. Each flow frame has an associated width, height, position on the page, and optionally a border. It is recommended that all the flow frames in a document have the same width, otherwise problems may occur when a paragraph spans to flow frames of unequal widths. This is because  $\text{\TeX}$ 's output routine does not register the change in `\hsize` until it reaches a paragraph break. If it is absolutely necessary for flow frames to have unequal widths, judicious use of `\framebreak` is required.

changed. Thus, a static frame can be used, for example, to make a company logo appear in the same place on every page.

## 2.3 Dynamic Frames

A dynamic frame is similar to a static frame, but its contents are re-typeset on each page. (A static frame stores its contents in a savebox, whereas a dynamic frame stores its contents in a macro).

changed. Thus, a static frame can be used, for example, to make a company logo appear in the same place on every page.

## 2.3 Dynamic Frames

A dynamic frame is similar to a static frame, but its contents are re-typeset on each page. (A static frame stores its contents in a savebox, whereas a dynamic frame stores its contents in a macro).

changed. Thus, a static frame can be used, for example, to make a company logo appear in the same place on every page.

## 2.3 Dynamic Frames

A dynamic frame is similar to a static frame, but its contents are re-typeset on each page. (A static frame stores its contents in a savebox, whereas a dynamic frame stores its contents in a macro).

changed. Thus, a static frame can be used, for example, to make a company logo appear in the same place on every page.

## 2.3 Dynamic Frames

A dynamic frame is similar to a static frame, but its contents are re-typeset on each page. (A static frame stores its contents in a savebox, whereas a dynamic frame stores its contents in a macro).

	<p>Creating Flow Frames for Posters or Magazines</p> <p>Nicola L. C. Talbot</p>
--	---

	<p>Creating Flow Frames for Posters or Magazines</p> <p>Nicola L. C. Talbot</p>
--	---

	<p>Creating Flow Frames for Posters or Magazines</p> <p>Nicola L. C. Talbot</p>
--	---

preceding backlash. The value **fbox** is equivalent to **plain**.

**offset**=*<offset>* The border offset, if it is a user-defined border. This is the distance from the outer edge of the left hand border to the left edge of the bounding box of the text inside the border. The **flowfram** package is able to compute the border for known frame making commands. If you define your own frame making command, you may need to specify the offset explicitly, or the frames may end up shifted to the right or left.

**bordercolor**=*<colour>* The colour of the border if you are using a standard frame making command. The colour can either be specified as, e.g. **green**, or including the colour model, e.g. **[rgb]{0,1,0}**.

**textcolor**=*<colour>* The text colour for that frame. Again, the colour can either be specified as, e.g. **green**, or

preceding backlash. The value **fbox** is equivalent to **plain**.

**offset**=*<offset>* The border offset, if it is a user-defined border. This is the distance from the outer edge of the left hand border to the left edge of the bounding box of the text inside the border. The **flowfram** package is able to compute the border for known frame making commands. If you define your own frame making command, you may need to specify the offset explicitly, or the frames may end up shifted to the right or left.

**bordercolor**=*<colour>* The colour of the border if you are using a standard frame making command. The colour can either be specified as, e.g. **green**, or including the colour model, e.g. **[rgb]{0,1,0}**.

**textcolor**=*<colour>* The text colour for that frame. Again, the colour can either be specified as, e.g. **green**, or

preceding backlash. The value **fbox** is equivalent to **plain**.

**offset**=*<offset>* The border offset, if it is a user-defined border. This is the distance from the outer edge of the left hand border to the left edge of the bounding box of the text inside the border. The **flowfram** package is able to compute the border for known frame making commands. If you define your own frame making command, you may need to specify the offset explicitly, or the frames may end up shifted to the right or left.

**bordercolor**=*<colour>* The colour of the border if you are using a standard frame making command. The colour can either be specified as, e.g. **green**, or including the colour model, e.g. **[rgb]{0,1,0}**.

**textcolor**=*<colour>* The text colour for that frame. Again, the colour can either be specified as, e.g. **green**, or

preceding backlash. The value **fbox** is equivalent to **plain**.

**offset**=*<offset>* The border offset, if it is a user-defined border. This is the distance from the outer edge of the left hand border to the left edge of the bounding box of the text inside the border. The **flowfram** package is able to compute the border for known frame making commands. If you define your own frame making command, you may need to specify the offset explicitly, or the frames may end up shifted to the right or left.

**bordercolor**=*<colour>* The colour of the border if you are using a standard frame making command. The colour can either be specified as, e.g. **green**, or including the colour model, e.g. **[rgb]{0,1,0}**.

**textcolor**=*<colour>* The text colour for that frame. Again, the colour can either be specified as, e.g. **green**, or

including the colour model, e.g. `[rgb]{0,1,0}`.

**pages**=<*page list*> The list of pages for which the frame should appear. This can either have the values: **all**, **even**, **odd** or **none** (the latter removes the frame from that point on—useful if you have multiple pages with the same number), or it can be a comma-separated list of single pages, or page ranges.

**margin**=<*side*><sup>F</sup> The side of the flow frame that its corresponding margin should go on. This can take the values **left** or **right**.

**clear**=<*boolean*><sup>S</sup> If this value is set, the static frame will be cleared at the start of the next page.

**style**=<*cmd*><sup>D</sup> This should be the name of a command *without* the preceding backslash, to be applied to the contents of the specified dynamic frame. The command may either be a

including the colour model, e.g. `[rgb]{0,1,0}`.

**pages**=<*page list*> The list of pages for which the frame should appear. This can either have the values: **all**, **even**, **odd** or **none** (the latter removes the frame from that point on—useful if you have multiple pages with the same number), or it can be a comma-separated list of single pages, or page ranges.

**margin**=<*side*><sup>F</sup> The side of the flow frame that its corresponding margin should go on. This can take the values **left** or **right**.

**clear**=<*boolean*><sup>S</sup> If this value is set, the static frame will be cleared at the start of the next page.

**style**=<*cmd*><sup>D</sup> This should be the name of a command *without* the preceding backslash, to be applied to the contents of the specified dynamic frame. The command may either be a

including the colour model, e.g. `[rgb]{0,1,0}`.

**pages**=<*page list*> The list of pages for which the frame should appear. This can either have the values: **all**, **even**, **odd** or **none** (the latter removes the frame from that point on—useful if you have multiple pages with the same number), or it can be a comma-separated list of single pages, or page ranges.

**margin**=<*side*><sup>F</sup> The side of the flow frame that its corresponding margin should go on. This can take the values **left** or **right**.

**clear**=<*boolean*><sup>S</sup> If this value is set, the static frame will be cleared at the start of the next page.

**style**=<*cmd*><sup>D</sup> This should be the name of a command *without* the preceding backslash, to be applied to the contents of the specified dynamic frame. The command may either be a

including the colour model, e.g. `[rgb]{0,1,0}`.

**pages**=<*page list*> The list of pages for which the frame should appear. This can either have the values: **all**, **even**, **odd** or **none** (the latter removes the frame from that point on—useful if you have multiple pages with the same number), or it can be a comma-separated list of single pages, or page ranges.

**margin**=<*side*><sup>F</sup> The side of the flow frame that its corresponding margin should go on. This can take the values **left** or **right**.

**clear**=<*boolean*><sup>S</sup> If this value is set, the static frame will be cleared at the start of the next page.

**style**=<*cmd*><sup>D</sup> This should be the name of a command *without* the preceding backslash, to be applied to the contents of the specified dynamic frame. The command may either be a

including the colour model, e.g. `[rgb]{0,1,0}`.

**pages**=<*page list*> The list of pages for which the frame should appear. This can either have the values: **all**, **even**, **odd** or **none** (the latter removes the frame from that point on—useful if you have multiple pages with the same number), or it can be a comma-separated list of single pages, or page ranges.

**margin**=<*side*><sup>F</sup> The side of the flow frame that its corresponding margin should go on. This can take the values **left** or **right**.

**clear**=<*boolean*><sup>S</sup> If this value is set, the static frame will be cleared at the start of the next page.

**style**=<*cmd*><sup>D</sup> This should be the name of a command *without* the preceding backslash, to be applied to the contents of the specified dynamic frame. The command may either be a

declaration, for example `style=large` which will set the contents of all the dynamic frames in a large font, or it can be a command that takes a single argument, for example `style=textbf` which will make the text for all the dynamic frames come out in bold. To unset a style, do `style=none`.

## 4 Miscellaneous

### 4.1 Page Layout

The `flowfram` package has the package option `draft` which will draw the bounding boxes for each frame defined. At the bottom right of each bounding box (except for the bounding box denoting the typeblock), a marker will be shown to indicate the type of frame, its IDN and its IDL.

You can see the layout for the current page (irrespective of whether or not the `draft` option has been set) using the command:

```
\flowframeshowlayout
```

declaration, for example `style=large` which will set the contents of all the dynamic frames in a large font, or it can be a command that takes a single argument, for example `style=textbf` which will make the text for all the dynamic frames come out in bold. To unset a style, do `style=none`.

## 4 Miscellaneous

### 4.1 Page Layout

The `flowfram` package has the package option `draft` which will draw the bounding boxes for each frame defined. At the bottom right of each bounding box (except for the bounding box denoting the typeblock), a marker will be shown to indicate the type of frame, its IDN and its IDL.

You can see the layout for the current page (irrespective of whether or not the `draft` option has been set) using the command:

```
\flowframeshowlayout
```

declaration, for example `style=large` which will set the contents of all the dynamic frames in a large font, or it can be a command that takes a single argument, for example `style=textbf` which will make the text for all the dynamic frames come out in bold. To unset a style, do `style=none`.

## 4 Miscellaneous

### 4.1 Page Layout

The `flowfram` package has the package option `draft` which will draw the bounding boxes for each frame defined. At the bottom right of each bounding box (except for the bounding box denoting the typeblock), a marker will be shown to indicate the type of frame, its IDN and its IDL.

You can see the layout for the current page (irrespective of whether or not the `draft` option has been set) using the command:

```
\flowframeshowlayout
```

declaration, for example `style=large` which will set the contents of all the dynamic frames in a large font, or it can be a command that takes a single argument, for example `style=textbf` which will make the text for all the dynamic frames come out in bold. To unset a style, do `style=none`.

## 4 Miscellaneous

### 4.1 Page Layout

The `flowfram` package has the package option `draft` which will draw the bounding boxes for each frame defined. At the bottom right of each bounding box (except for the bounding box denoting the typeblock), a marker will be shown to indicate the type of frame, its IDN and its IDL.

You can see the layout for the current page (irrespective of whether or not the `draft` option has been set) using the command:

```
\flowframeshowlayout
```

The headers and footers will appear as usual (but will not be shown in draft mode), according to the format given by `\pagestyle`.

## 4.2 Frame Stacking Order

The material on each page is placed in the following order:

1. Each static frame defined for that page in ascending order of IDN.
2. Each flow frame defined for that page in ascending order of IDN.
3. Each dynamic frame defined for that page in ascending order of IDN.
4. Bounding boxes if the `draft` package option has been used.

This ordering can be used to determine if you want something to overlay or underlay everything else on the page.

The headers and footers will appear as usual (but will not be shown in draft mode), according to the format given by `\pagestyle`.

## 4.2 Frame Stacking Order

The material on each page is placed in the following order:

1. Each static frame defined for that page in ascending order of IDN.
2. Each flow frame defined for that page in ascending order of IDN.
3. Each dynamic frame defined for that page in ascending order of IDN.
4. Bounding boxes if the `draft` package option has been used.

This ordering can be used to determine if you want something to overlay or underlay everything else on the page.

The headers and footers will appear as usual (but will not be shown in draft mode), according to the format given by `\pagestyle`.

## 4.2 Frame Stacking Order

The material on each page is placed in the following order:

1. Each static frame defined for that page in ascending order of IDN.
2. Each flow frame defined for that page in ascending order of IDN.
3. Each dynamic frame defined for that page in ascending order of IDN.
4. Bounding boxes if the `draft` package option has been used.

This ordering can be used to determine if you want something to overlay or underlay everything else on the page.

- The headers and footers will appear as usual (but will not be shown in draft mode), according to the format given by `\pagestyle`.
- ## 4.2 Frame Stacking Order
- The material on each page is placed in the following order:
1. Each static frame defined for that page in ascending order of IDN.
  2. Each flow frame defined for that page in ascending order of IDN.
  3. Each dynamic frame defined for that page in ascending order of IDN.
  4. Bounding boxes if the `draft` package option has been used.
- This ordering can be used to determine if you want something to overlay or underlay everything else on the page.

The headers and footers will appear as usual (but will not be shown in draft mode), according to the format given by `\pagestyle`.

## 4.2 Frame Stacking Order

The material on each page is placed in the following order:

1. Each static frame defined for that page in ascending order of IDN.
2. Each flow frame defined for that page in ascending order of IDN.
3. Each dynamic frame defined for that page in ascending order of IDN.
4. Bounding boxes if the `draft` package option has been used.

This ordering can be used to determine if you want something to overlay or underlay everything else on the page.

	<h1>Creating Flow Frames for Posters or Magazines</h1> <p>Nicola L. C. Talbot</p>			[S:1;1]
<h2>4.3 Prematurely Ending a Flow Frame</h2> <p>You can force text to move immediately to the next defined flow frame using one of the standard L<sup>A</sup>T<sub>E</sub>X page breaking commands which work in an analogous way to the way they work in standard two column mode. The command <code>\framebreak</code> is provided for situations where a paragraph spans two flow frames of different widths, as T<sub>E</sub>X's output routine does not adjust to the new value of <code>\hsize</code> until the last paragraph of the previous frame has ended. As a result, the end of the paragraph at the beginning of the new flow frame retains the width of the previous flow frame. If you want to start a new page, rather than simply move to the next frame, use the command <code>\finishthispage</code>.</p> <h2>4.4 Floats</h2> <p>Since floats (such as figures and tables) can only go in flow frames, this package provides the additional</p>	<p>environments: <code>staticfigure</code> and <code>statictable</code> which can be used in static frames and dynamic frames. Unlike their <code>figure</code> and <code>table</code> counterparts, they are fixed in place, and so do not take an optional placement specifier. The <code>\caption</code> and <code>\label</code> commands can be used within <code>staticfigure</code> and <code>statictable</code> as usual. The standard <code>figure</code> and <code>table</code> commands will behave as usual in the flow frames, but their starred versions, <code>figure*</code> and <code>table*</code> behave no differently from <code>figure</code> and <code>table</code>.</p> <h2>4.5 Global Values</h2> <p>The following macros can be changed using <code>\renewcommand</code>:</p> <ul style="list-style-type: none"> <li>• <code>\setffdraftcolor</code> This sets the colour of the bounding box when it is displayed in draft mode.</li> <li>• <code>\setffdrafttypeblockcolor</code> This sets the colour of the bounding box of the typeblock when it is displayed in draft mode.</li> </ul>	<ul style="list-style-type: none"> <li>• <code>\fflabelfont</code> This sets the font size for the bounding box markers in draft mode.</li> </ul> <p>The following are lengths, which can be changed using <code>\setlength</code>:</p> <ul style="list-style-type: none"> <li>• <code>\fflabelsep</code> This is the distance from the right hand side of the bounding box at which to place the bounding box marker.</li> <li>• <code>\flowframesep</code> This is the gap between the text of the frame and its border, for the standard border types.</li> <li>• <code>\flowframerule</code> This is the width of the frame's border, if using a border given by a frame making command that uses <code>\fboxsep</code> to set its border width.</li> </ul>		