

Below is a description of the **methodology** for developing article threads. You may compile this document using any of the usual drivers (options `dvips`, `pdftex`, `xetex`, `dvipdfm`, `dvipdfmx`). Play around with various combinations of `preview`, `!preview`, `viewMagWin`, and `!viewMagWin`.

There are two places to begin a thread: (1) at the very beginning of a paragraph; and (2) from within a paragraph. Method (1) is preferred. We began this paragraph with

```
\noindent\bArticle{lift=\baselineskip,
  width=\linewidth,
  height=4in+2\baselineskip}%
There are two places...
```

Place article threads after you've finished composing your document. While placing threads, one or both of the options `preview` or `viewMagWin` should be in effect. In a DVI viewer, we can see the bounding rectangles. We can see its too low, too long and so on. For users of `pdflatex`, `xelatex`, etc., view your documents in the DVI previewer first (or view them as a PDF). I've used `lift=\baselineskip` to raise up the thread rectangle by that amount to enclose the first line. The value of `width` is usually `\linewidth`, but the value of `height` may have to be adjusted, in this example, I've "tweaked" the `4in by 2\baselineskip`.

Naturally, after you're satisfied, you then remove `preview` and `viewMagWin` or change them to `!preview` and `!viewMagWin`. Method (2): Another possible location is from within a paragraph, here, we continue the current thread using the `\cArticle`

command in conjunction with the `\vadjust` T_EX primitive. Between the end of the word 'primitive' and the period (.) ending the sentence, I've place

```
primitive\vadjust{\noindent
  \cArticle{lift=2\baselineskip,
  width=\linewidth,
  height=4in+2\baselineskip}}.
Between the ...
```

The value of `lift=2\baselineskip` we chosen because the original positioning of the thread rectangle was too low by about two lines. The value of `height` was chosen to cover the paragraph once the complete paragraph was composed.

Of course, in this example, it was unnecessary to insert the `\cArticle` mid-paragraph, it would have been better placed at the beginning of a paragraph and 'lifting' more. Placing `\cArticle` mid-paragraph is useful for multi-column formats. When the paragraph flows from the first column the second column, use the `\vadjust` technique to cover the portion of the text that flows to the right column.

By the way, notice the use of `\noindent`, this is oftentimes needed to position the article thread in the left margin of the text block.

Adding text to the columns will change the positions of the article threads, for this reason, the threads need to be inserted after the document is finished.

{Jürgen's Thread}

The `artthreads` package does support, through `hyperref`, the PDFDocEncoding Character Set. This thread offers a brief discussion of the topic. The title of this thread is `\textbraceleft J\{u\}rgen's Thread\textbraceright`, which is properly understood to be "{Jürgen's Thread}" and appears correctly in the **Articles** pane. Use standard L^AT_EX markup for accents, as in `J\{u\}rgen`. Creating a link to such "special titles" requires a little bit of trouble. When using the `\Thread` command to create an action to read an article thread, rather than passing the thread title directly as an argument, pass `\A{\Thread{\threadTitle}}` in the optional argument of a link, prior to that, insert `\cmd{<thread-title>}}` in the optional argument. See the link created for this article. You can also pass the thread title directly to `\Thread` but you must pass the title through `\pdfstringdef` first, the source of this file for details.