

# The dfltxbmisc package\*

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October 30, 2008

This package provides a variety of macros that are used for [Madsen \(2007\)](#).

## For typesetting arguments

<code>\Arg</code>	<code>\Arg{&lt;text&gt;}</code>	<code>&lt;text&gt;</code>
<code>\Arg*</code>	<code>\Arg*{&lt;text&gt;}</code>	<code>text</code>
<code>\marg</code>	<code>\marg{&lt;text&gt;}</code>	<code>{&lt;text&gt;}</code>
<code>\marg*</code>	<code>\marg*{&lt;text&gt;}</code>	<code>{text}</code>
<code>\oarg</code>	<code>\oarg{&lt;text&gt;}</code>	<code>[&lt;text&gt;]</code>
<code>\oarg*</code>	<code>\oarg*{&lt;text&gt;}</code>	<code>[text]</code>
<code>\parg</code>	<code>\parg{&lt;text&gt;}</code>	<code>(&lt;text&gt;)</code>
<code>\parg*</code>	<code>\parg*{&lt;text&gt;}</code>	<code>(text)</code>

## Syntax

`syntax` Environments ***syntax*** and ***syntax\**** for explaining syntax. In the unstared version `\obey-`  
`syntax*` lines is in effect and `\\` is disabled. In the stared version we are in a normal situation  
and `\\` has its normal line changing behavior. Text contents of the two environments are  
indented by `\parindent`.

## Special wrapping urls in bibliographies

In the bibliography of [Madsen \(2007\)](#) we refer to a lot of L<sup>A</sup>T<sub>E</sub>X packages and their URLs  
on CTAN. In order to make those URLs look nice and space some space the URL wraps it  
self up into the bibliography item above. The effect can be seen here:

text text text text text text text text text text text URL: <http://www.imf.au.dk/system/latex/bog/>

The effect is achieved with the macro

`\addurl` `\addurl [<pre text>] {<url>} {<see below>}`

`\addurl` is only intended to be used in bibliographies, i.e. inside the `\thebibliography`  
environment (it uses `\bibhang` internally). The macro was created to be used with  
BibT<sub>E</sub>X, where one adds it as the very last item in the »note« field. As most BibT<sub>E</sub>X styles  
add a ».« at the end of the entry we simply let `\addurl` ‘eat’ that ».« by just specifying  
the first argument. So if you use this macro by hand (i.e. not using BibT<sub>E</sub>X), you will

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need to specify the last argument as an empty argument. By default [*pre text*] is set to »\textsc{url}:«.

\addurl works this way:

- (i) We start a new paragraph and measure the length of the last line in the preceding paragraph.
- (ii) In the new paragraph we set everything \RaggedLeft, and start the text by setting a phantom-like width corresponding to the measured length found in (i). If the measured length is larger than  $0.6\text{\linewidth}$ , then we do not activate the wrapping, instead the URL is just typeset ragged left below the bibliographic entry.
- (iii) Then we simply typeset the URL using \url.

There is one small problem with \addurl: If we get close to a page break the wrapping URL may be moved to the next page. One method for fixing this is to make \itemsep more flexible inside the *thebibliography*, for example using

```
\let\oldthebibliography\thebibliography
\renewcommand\thebibliography[1]{%
  \oldthebibliography{#1}%
  \setlength\itemsep{10pt plus 3pt minus 5pt}
}
```

### Example text in math

\dbx In Madsen (2007) we use the macro \dbx[*width*] to illustrate some math instead of writing random formulas. It just typesets  $\square$  where the width is adjustable using the optional argument.

### Acknowledgement

Special thanks to Morten Høgholm and Dan Luecking for their help with various parts of \addurl.

### Bibliography

Lars Madsen. Introduktion til L<sup>A</sup>T<sub>E</sub>X. <http://www.imf.au.dk/system/latex/bog/>, 2007. The current version of the book is 3rd edition beta.