

**OKALOOSA-WALTON COLLEGE**

**Department of Mathematics**

**Demonstrating the `aeb_mlink`  
Package**

**A member of AeB Pro**

**D. P. Story**

## 1. Introduction

This file tests and demonstrates new macros for creating hypertext links that wrap around a line. Most of the text is nonsense, and was created to fill the page, no offence taken I hope

This paragraph contains two links that go beyond the [margins of this text width](#) so it wraps around to the next line. Now, I'll [insert a multi-line link](#).<sup>1</sup> Can we continue with this? Yes, so says D. P. Story.

This paragraph contains two links that go beyond the [margins of this text width](#), so it wraps around to the next line. Let's try a numbered equation:

$$\boxed{x + y = 1} \tag{1}$$

Now, with your permission, I'll insert another one of these [links of the multiline type](#).<sup>2</sup> Can we continue with this? Yes, so says D. P. Story.

On the next page, we try multiple column format.

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<sup>1</sup>Techniques by D. P. Story

<sup>2</sup>D.P. Story is very nice fellow, but he has a rather [grand head](#); [we must watch the compliments](#) so we don't inflate his ego more.

Welcome my friends to my residence, humble as it is. The encyclopedia is a wonderful book. We shall study it closely during your visit.

Try this great link: [Jurgen](#), [L<sup>A</sup>T<sub>E</sub>X](#) and  $\int_0^1 f(x)dx$  work admirably.

Being able to create multi-line links becomes important when the `\linewidth` is narrow. On this page we create some mindless text that will fill up all or part of the page, then create some multi-line links.

Without a doubt, *this method will fail if the paragraph contains multi-line links that crosses a page boundary or a* [column](#)

[boundary](#).

This paragraph contains two links that extend beyond the [margins of this text width](#) which causes it to wrap around to the next line. Note the hyphenation of the link, this is due to the `soul` package. As a further test, I'll [insert a multi-line link](#) again. Can we continue with this? Yes, so says D. P. Story.

## 2. Second of Three Sections

Let us begin by having page filling mindless text, then we'll force a page break, but before we break, a friend of mine, asked if multi-line links work with math formulas. A very strange request,  $x = f(t)$ ,  $x = g(t)$ ,  $h(x) = e^x$  very strange let's try.

Use L<sup>A</sup>T<sub>E</sub>X/hyperref system of cross-referencing [Third of Three Sections](#). The last link is a modification of the `\nameref` command from hyperref. The `\Nameref` command can be duplicated [‘Third of Three Sections’ on page 5](#) as well.

### 3. Third of Three Sections

The second section, oops, I've lost count. I have nothing to say in this section. I take that back, below are problem areas multi-line linking:

1. This method cannot work across page boundaries
2. See the `soul` package documentation for limitations on the arguments of the `\mlxx` commands.
3. Works for footnotes
4. Can use verbatim text in a paragraph,  `$#}^`, but cannot include verbatim in a multi-line link. Is there any real need to do so?

### 4. URLs

Let us try a URL across lines: See the educational offerings of the [AcroT<sub>E</sub>X Web Site at the University of Akron](#). This link plays off the `\href` command.

We can also call a local file, let's try: [Here is a shameless advertisement for AcroT<sub>E</sub>X](#).

Try launching a file now, let's try a L<sup>A</sup>T<sub>E</sub>X file: [This is the source file of this document.](#)<sup>3</sup>

Finally, let's try my own email address at AcroT<sub>E</sub>X.Net, [dpstory at acrotex dot net.](#)

Launch Notepad<sup>4</sup>

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<sup>3</sup>Source document needs to be in the folder containing this PDF file.

<sup>4</sup>Windows system required.