

# The `latex-lab-text` package

## Changes and additions to the kernel related to the tagging of various small text commands

L<sup>A</sup>T<sub>E</sub>X Project\*

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**Abstract**

## 1 Introduction

The followings contains small changes to improve the tagging of (inline) text commands.

While the tagging of the L<sup>A</sup>T<sub>E</sub>X logo is quite straightforward, tagging of `\emph` as **EM** and `\textbf` as **Strong** can have unwanted side-effect as both tags are inline tags and so not every inner structure is allowed. Probably both commands will need an optional argument or a starred variant which suppress the tagging.

## 2 Implementation

```
1 <*package>
2 <@@=tag>
3 \ProvidesExplPackage {latex-lab-testphase-text} {2023-05-28} {0.8}
4 {Code related to the tagging of inline text commands}
```

### 2.1 The L<sup>A</sup>T<sub>E</sub>X and T<sub>E</sub>X logo

This uses the generic hooks, so that it catches also other definitions. For `\LaTeX` we stop tagging to avoid that the inner `\TeX` leads to a double tagging.

```
5 \AddToHook{cmd/LaTeX/before}
6 {
7   \mode_leave_vertical:
8   \tag_mc_end_push:
9   \tag_struct_begin:n{tag=Span,actualtext=LaTeX}
10  \tag_mc_begin:n{}
11  \tag_stop:n{LaTeX}
12 }
13 \AddToHook{cmd/LaTeX/after}
14 {
15   \tag_start:n{LaTeX}
```

---

\*Initial implementation done by Ulrike Fischer

```

16   \tag_mc_end:
17   \tag_struct_end:
18   \tag_mc_begin_pop:n{}
19   }
20 \AddToHook{cmd/TeX/before}
21 {
22   \mode_leave_vertical:
23   \tag_mc_end_push:
24   \tag_struct_begin:n{tag=Span,actualtext=TeX}
25   \tag_mc_begin:n{}
26   }
27 \AddToHook{cmd/TeX/after}
28 {
29   \tag_mc_end:
30   \tag_struct_end:
31   \tag_mc_begin_pop:n{}
32   }

```

## 2.2 Emphasizing

We tag `\emph` but leave commands like `\textbf` alone, as it is not clear if they always have a semantic meaning.

```

33 \AddToHook{cmd/emph/before}
34 {
35   \mode_leave_vertical:
36   \tag_mc_end_push:
37   \tag_struct_begin:n{tag=Em}
38   \tag_mc_begin:n{}
39   }
40
41 \AddToHook{cmd/emph/after}
42 {
43   \tag_mc_end:
44   \tag_struct_end:
45   \tag_mc_begin_pop:n{}
46   }
47 </package>
48 <*\latex-lab>
49 \ProvidesFile{text-latex-lab-testphase.ltx}
50   [2023-05-28 v0.8 code related to the tagging of bib and citations]
51
52 \RequirePackage{latex-lab-testphase-text}
53
54 </latex-lab>

```