

Package **unhook** v. 1.0 User Guide

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Overview

The **unhook** package disables various L^AT_EX3 features to improve tracing. It is intended for L^AT_EX2_ε package developers to make debugging easier, and you should not load it for any other purpose because it breaks a lot of things. The package file is **unhook.tex**, so you should input it directly instead of calling `\usepackage`.

L^AT_EX3 offers extensive functionality on top of traditional L^AT_EX 2_ε, but it is often much harder to follow the output from `\tracing` commands. For example, with traditional L^AT_EX 2_ε and full tracing, T_EX prints `{\par}` on the terminal at blank lines, but with L^AT_EX3, the output looks like this:

```
~.\par ->\scan_stop: \mode_if_horizontal:TF {\mode_if_inner:F {\tex_unskip:D \hook_use:n {para/end}\@kernel@after@para@end \mode_if_horizontal:TF {\if_int_compare:w 11=\tex_lastnodetype:D \tex_hskip:D \c_zero_dim \fi: \tex_par:D \hook_use:n {para/after}\@kernel@after@para@after }{\msg_error:nnnn {hooks}{para-mode}{end}{horizontal}}}\tex_par:D
{\relax}

~..\mode_if_horizontal:TF ->\if_mode_horizontal: \__prg_TF_true:w \fi: \use_ii:nn
{\ifhmode: (level 1) entered on line 13}
{false}
{\fi: \ifhmode (level 1) entered on line 13}

~...\use_ii:nn #1#2->#2

~..#1<-\mode_if_inner:F {\tex_unskip:D \hook_use:n {para/end}\@kernel@after@para@end \mode_if_horizontal:TF {\if_int_compare:w 11=\tex_lastnodetype:D \tex_hskip:D \c_zero_dim \fi: \tex_par:D \hook_use:n {para/after}\@kernel@after@para@after }{\msg_error:nnnn {hooks}{para-mode}{end}{horizontal}}}\tex_par:D
{\par}
```

Hooks generate even more text, and as a result, tracing becomes ineffective for debugging L^AT_EX 2_ε code. To fix this problem, **unhook** restores `\@@par`, `\everypar`, and `\shipout`, disables some commands that activate hooks and sockets, and replaces part of the file-loading interface with older (simpler) code. These changes should slim down output from `\tracingall`, but please reach out to the package author if you see unexpected material in the terminal. The package file is called **unhook.tex**, so you have to input it directly instead of loading with `\usepackage`. You must also set the catcode of `@` to be 11, and if that does not happen, **unhook** will stop loading and issue an error. The package does not define any user-level commands. Users who find **unhook** helpful may also appreciate the **trace** package.¹

¹Frank Mittlebach, “**trace**—Make sensible use of T_EX tracing in L^AT_EX,” <https://ctan.org/pkg/trace>.