

The lua-visual-debug package (V0.2)

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February 24, 2012

1 About

This package aids debugging your \TeX and \LaTeX document by drawing rectangles around boxes and rules where glue is inserted. Other items are marked as well: kerns, hyphenation points and penalties.

2 How to use

When you load the package `lua-visual-debug` in your \LaTeX document (or use `\input lua-visual-debug.sty` in plain \TeX), \LaTeX will highlight boxes, penalties, glues and kerns in the PDF. This package requires you to process the document with \LaTeX (plain and \LaTeX formats).

3 A \LaTeX example

```
\documentclass{article}
\usepackage{lua-visual-debug}

\usepackage{lmodern}
\setlength\textwidth{300pt}
\setlength\textheight{10cm}

\begin{document}

\section{A short story}

A wonderful serenity has taken possession of my entire soul, like these sweet
mornings of spring which I enjoy with my whole heart. I am alone, and feel
the charm of existence in this spot, which was created for the bliss of souls
like mine. I am so happy, my dear friend, so absorbed in the exquisite sense
of mere tranquil existence, that I neglect my talents.

\begin{itemize}
  \item one
  \item two
  \item three
\end{itemize}

\bgroup\fontsize{30}{34}\selectfont
```

```

\centerline{\TeX}
\egroup

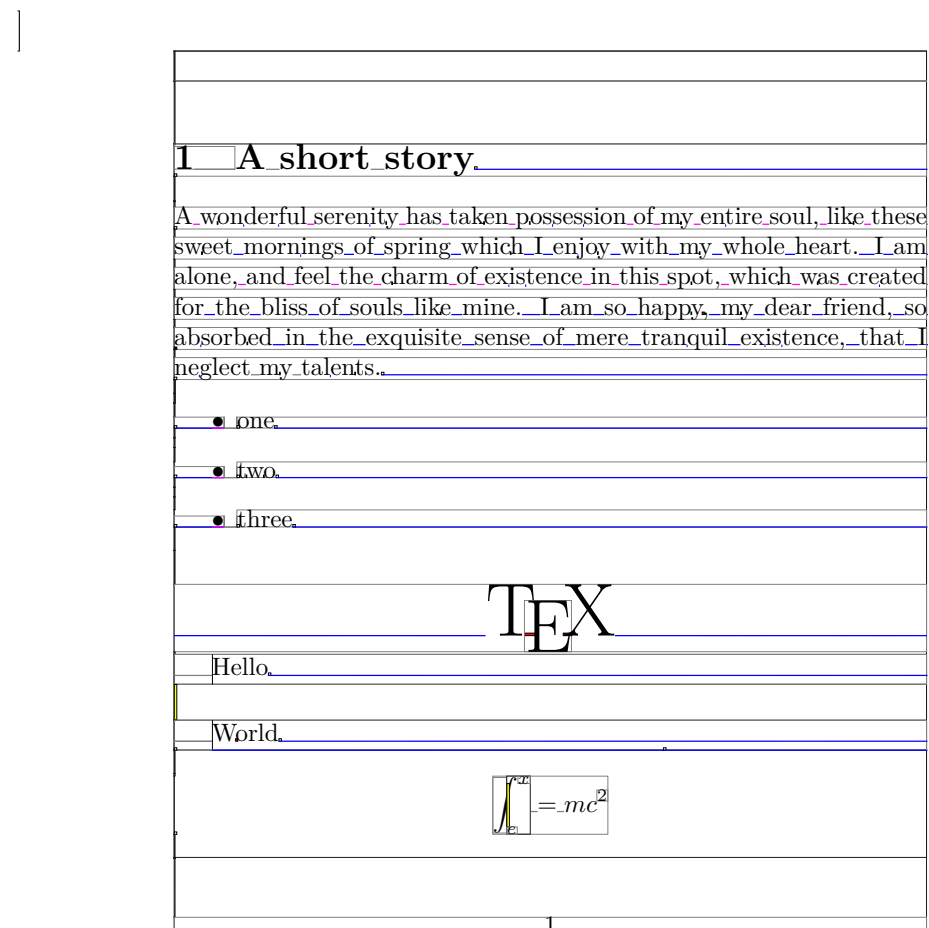
\vbox{\strut Hello}\kern .5cm\vbox{\strut World}

\[ \int_e^{c^2} x=mc^2 \]

\end{document}

```

yields



4 A plain \TeX example

```

\input lua-visual-debug.sty

\hsize 3in \vsize 3in
\centerline{A centered line with \TeX}

\vskip .5in

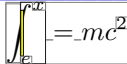
```

A wonderful serenity has taken possession of my entire soul, like these sweet mornings of spring which I enjoy with my whole heart. I am alone, and feel the charm of existence in this spot, which was created for the bliss of souls like mine. I am so happy, my dear friend, so absorbed in the exquisite sense of mere tranquil existence, that I neglect my talents.

$\int_0^1 e^x = mc^2$

\bye

yields

A centered line with T _E X
A wonderful serenity has taken possession of my entire soul, like these sweet mornings of spring which I enjoy with my whole heart. I am alone, and feel the charm of existence in this spot, which was created for the bliss of souls like mine. I am so happy, my dear friend, so absorbed in the exquisite sense of mere tranquil existence, that I neglect my talents..

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5 Copying

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