

jlreq-tcf

A LaTeX package providing two-column footnotes compatible with the jlreq class.

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This package provides commands to arrange footnotes into two columns (left and right) at the bottom of the page, designed to visually blend with the jlreq document class.

For full details and visual examples, please refer to the documentation.

Installation

Using l3build (Recommended)

To install this package using l3build, run the following command in the package directory:

```
l3build install
```

Manual Installation

Alternatively, you can copy jlreq-tcf.sty to a location where LaTeX can find it (e.g., your local texmf tree or the same directory as your project .tex file).

Usage

Load the package in your preamble:

```
\usepackage{jlreq-tcf}
```

Command Specifications

This package uses its own internal counter (shared between column L and column R) to manage footnote numbers.

Basic Footnotes

These commands insert a footnote mark and the corresponding text immediately.

- `\footnoteL{<text>}`
- Typesets a footnote in the **left-hand** column.
- Automatically increments the internal footnote counter.
- `\footnoteR{<text>}`
- Typesets a footnote in the **right-hand** column.
- Automatically increments the internal footnote counter.

Separated Mark and Text

You can separate the mark generation from the text definition. This is useful when placing footnotes in titles, tables, or other restricted environments.

- `\footnotemarkL[<num>] / \footnotemarkR[<num>]`
- Prints the footnote mark for the left (L) or right (R) column.
- **With** [`<num>`]: Uses the integer `<num>` as the mark number. Does **not** increment the internal counter.
- **Without** [`<num>`]: Increments the internal counter and uses that value.
- `\footnotetextL[<num>]{<text>} / \footnotetextR[<num>]{<text>}`
- Defines the footnote text for the left (L) or right (R) column without printing a mark in the main text.

- **With [`<num>`]**: Uses `<num>` as the label in the footnote area.
- **Without [`<num>`]**: Uses the current value of the internal counter.

Example

```
\documentclass{jlrq}
\usepackage{jlrq-tcf}
\usepackage{bxjalipsum}

\begin{document}
% \footnoteL (Left column)
\jalipsum[1]{kusamakura}~\footnoteL{左の脚注1}\par
\jalipsum[2]{kusamakura}~\footnoteL{左の脚注2}\par
\jalipsum[3]{kusamakura}~\footnoteL{左の脚注3}

% \footnoteR (Right column)
\jalipsum[4]{kusamakura}~\footnoteR{右の脚注1}\par
\jalipsum[5]{kusamakura}~\footnoteR{右の脚注2}\par
\jalipsum[6]{kusamakura}~\footnoteR{右の脚注3}

% Separated mark and text
\jalipsum[7]{kusamakura}~\footnotemarkL
\jalipsum[8]{kusamakura}~\footnotemarkR

% Text definitions for the marks above
\footnotetextL[7]{左の脚注4}
\footnotetextR[8]{右の脚注4}
\end{document}
```

Known Issues and Limitations

Please be aware of the following limitations regarding the design and implementation of this package:

1. Layout Emulation:

This package attempts to reproduce the footnote layout (rules, spacing, indentation) of the `jlrq` class. However, this is an **emulation** created using `minipage` environments and manual spacing. It does not strictly inherit the internal typesetting logic of `jlrq`. There may be slight visual discrepancies depending on the document settings.

1. Conflict with Standard `\footnote`:

Do not use the standard `\footnote` command on the same page as `\footnoteL` or `\footnoteR`. Since this package manages its own output routine for two-column footnotes, using the standard `\footnote` command simultaneously will result in **two separate footnote blocks** appearing at the bottom of the page (one handled by LaTeX's standard mechanism and one by this package). This usage is not supported.

1. Long Footnotes:

Extremely long footnotes that exceed the available height of the page may cause the layout to break or push content off the page. The internal mechanism relies on `minipage`, which limits the ability to break long footnote text across pages.

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