

The `paranums` Package

Autumn R.

v0.1.0

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1 Introduction

paranums is a package that provides simple numbering of paragraphs in L^AT_EX.

2 Change List

v0.1.0 Added hyperref option.

v0.0.1 paranums is born!

3 Requirements

- zref
- hyperref (if hyperref option is passed)

4 Example

1. This is a paragraph! This is text on the next line.
This is text **on** the next line.
2. This paragraph is separated by a blank line.
3. This paragraph is preceded by `\par`.
4. Here is a reference to a prior paragraph: 2.

```
\begin{paranums}
  This is a paragraph!
  This is text on the next line. \\
  This is text \textbf{on} the next line.

  This paragraph is separated by a blank line. \par
  This paragraph is preceded by \verb|\par|.

  Here is a reference to a prior paragraph: \pref{label}.
\end{paranums}
```

5 Source

```
% paranums (c) Autumn R (aka., chorl)
% ---
% paranums is lisenced under GPLv3 [https://www.gnu.org/licenses/gpl-3.0.html].

\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{paranums}[2023/07/04 Paragraph numbering]
```

```

% Hard requirements
\RequirePackage{zref-user}

% Options
\newif\if@hyperref\@hyperreffalse
\DeclareOption{hyperref}{\@hyperreftrue}

\ProcessOptions\relax

% Zref prop setup
\newcounter{para}
\zref@newprop{paraprop}{\thepara}

% \p increments and displays the paragraph number
\newcommand\p{\refstepcounter{para}\thepara.\space}

% \plabel serves as a replacement for \label - solely for labelling paragraphs
\newcommand\plabel[1]{\zref@labelbyprops{#1}{paraprop}\label{zref:para:#1}}

% \pref serves as a replacement for \ref - solely for referencing paragraphs
\if@hyperref
  \RequirePackage{hyperref}
  \newcommand\pref[1]{\hyperref[zref:para:#1]{\zref[paraprop]{#1}}}
\else
  \newcommand\pref[1]{\zref[paraprop]{#1}}
\fi

% parnums environment numbers every paragraph
\newenvironment{parnums}{\everypar{\p}}{\endgraf}

\endinput

```