

# The notebeamer Package\*

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## 1 Introduction

The notebeamer package provides an easy way to print slides on note pages quickly, developed by expl3 based on tikz. It supports various compilation methods, such as pdf $\LaTeX$ , Xe $\LaTeX$ , Ap $\LaTeX$ , Lua $\LaTeX$ , etc.

## 2 Usage

To load this package, write the line

```
\usepackage{notebeamer}
```

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```
\includebeamer <[keyvals]> {<filename>} <[keyvals]>
```

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The `\includebeamer` command can create pages with note lines, and import the specific pages of the .pdf file on the left side of the note pages. The mandatory argument can set the .pdf file that will be inserted. The optional argument accepts the following keys

**color** =  $\langle str \rangle$  can set the note lines' color (Default: black), this key's name could be omitted.

**ratio** =  $\langle fp\ num \rangle$  can set imported slides' ratio and empty area's width (Default: 0.5).

**sep** =  $\langle dim \rangle$  can set the vertical space between slides (Default: 2ex).

**nup** =  $\langle int \rangle$  can set the number of slides on every page (Default: 3).

**pages** =  $\langle comma-separated\ list \rangle$  can select pages to insert. The list could contain ranges of page numbers. (Default: 1).

**lines** =  $\langle int \rangle$  can set the number of lines on every page.

**lineno** =  $\langle true | false \rangle$  can set whether to show the line numbers (Default: false).

**lhead**, **rhead** =  $\langle str \rangle$  can set the left / right header of the pages.

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\*<https://github.com/myhsia/notebeamer>, <https://ctan.org/pkg/notebeamer>

### 3 Working Example

Macros like `\newgeometry`, and `\pagecolor`, etc., could be used for assistance.

```
\documentclass[a4paper]{article}

\usepackage{libertine, geometry, notebeamer}

\begin{document}

\newgeometry{margin = .75in}
\pagecolor{black!80}
\includebeamer
[ nup = 4, pages = {2-4, 8-10}, lines = 32, ratio = .28,
  white!80, lhead = Chapter 1, lineno, rhead = Page~\thepage
] { example-image-a4-numbered.pdf }

\pagecolor{white}
\includebeamer
[ nup = 5, pages = 1-5, lines = 32, ratio = .48,
  lhead = Chapter 1, lineno, rhead = Page~\thepage
] { example-image-duck.pdf }

\includebeamer
[ nup = 2, pages = -, lines = 32, ratio = .54,
  lhead = Chapter 1, rhead = Page~\thepage
] { example-image-a4.pdf }

\end{document}
```

The effect of the above example is exhibited on the next page.



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The italic numbers denote the pages where the corresponding entry is described, numbers underlined point to the definition, all others indicate the places where it is used.

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