

The beamerappendixnote package

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Beamer appendix note introduces the `\beamerappxnote` command, which puts the note's content on a separate beamer frame, shown by the command `\printappxnotes`. It also creates interactive buttons to move back and forth between the two frames:

```
\documentclass[20pt]{beamer}
\usepackage{beamerappendixnote}
\begin{document}
\begin{frame}{Main frame}
  Main content \vfill
  \appxnote{Appendix note}{Note content}
\end{frame}
\printappxnotes
\end{document}
```

Main frame

Main content

• Appendix note

Appendix note

• Back

Note content

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1 Usage

<u><code>\appxnote</code></u>	<code>\appxnote{<title>}{<content>}</code>
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Create a new appendix note. Inserts a `\beamertobutton` to a frame that contains `{<content>}`. The appendix frame is created using `\printappxnotes`. The buttons text and the title of the appendix frame are both set to `{<title>}`.

<u><code>\printappxnotes</code></u>	<code>\printappxnotes</code>
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Prints appendix notes in the order they are created using `\appxnote`. Has to be used after the last appendix note. Uses one frame per note. Inserts a `\beamerreturnbutton` button to the frame where `\appxnote` was called, followed by the content, separated by a `\vfill`.

2 Implementation

2.1 Dependencies

Load the essential support (expl3).

```
1 \RequirePackage{expl3}
   Make sure that the version of l3kernel in use is sufficiently new.
2 \@ifpackagelater {expl3}{2018/04/22} {} {%
3   \PackageError {beamerappendixnote} {Support package expl3 too old}
4     {%
5       You need to update your installation of the bundles 'l3kernel' and
6       'l3packages'.\MessageBreak
7       Loading~beamerappendixnote~will~abort!%
8     }%
9   \endinput
10 }%
   Identify the package and give the over all version information.
11 \ProvidesExplPackage {beamerappendixnote} {2020/05/07} {1.0}
12 {Create notes in appendix frames}
   User level interfaces are all created by xparse
13 \RequirePackage {xparse}
```

2.2 Data structures

Initialise sequences used to store notes.

```
14 \seq_new:N \g_ban_titles
15 \seq_new:N \g_ban_content
```

2.3 Macros

\appxnote Create a new appendix note and insert a link

```

16 \NewDocumentCommand{\appxnote}{m m}{
17   \seq_gput_right:Nn \g_ban_titles {#1}
18   \seq_gput_right:Nn \g_ban_content {#2}
19   \hyperlink{ban-\seq_count:N \g_ban_titles}{\beamergotobutton{#1}}%
20   \label{ban-back-\seq_count:N \g_ban_titles}
21 }

```

(End definition for \appxnote. This function is documented on page 2.)

\@@_print_func:n Print an appendix note

```

22 \cs_set:Npn \print_func:n #1 {
23   \begin{frame}[label=ban-#1]{\seq_item:Nn \g_ban_titles {#1}}
24     \hyperlink{ban-back-#1 }{\beamerreturnbutton{Back}}
25     \vfill
26     \seq_item:Nn \g_ban_content {#1}
27   \end{frame}
28 }

```

(End definition for \@@_print_func:n. This function is documented on page ??.)

\printappxnotes Print all appendix notes

```

29 \NewDocumentCommand{\printappxnotes}{}{
30   \int_step_function:nN {\seq_count:N \g_ban_titles} \print_func:n
31 }

```

(End definition for \printappxnotes. This function is documented on page 2.)