The overlays package
A sample presentation

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In the slide content, the following commands can be used in order to specify the content of the overlays: `\only`.

Highlightning

For highlightning some content, the overlays package provides following command:

\alert{⟨*overlay specification*⟩}{⟨*content*⟩}

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- `1`
- `1,4`
- `1-4`
- `1-`

The `alert` color is red by default and can be changed to, say, magenta as follows:

```
\definecolor{alert}{rgb}{0.7,0.15,0.35}
```

Visibility

The visibility of content is specified by means of the following commands:

`\visible{⟨overlay specification⟩}{⟨content⟩}`

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On unspecified overlays, the content is hidden, but still takes up space. Technically speaking, it is rendered in the background color, which, by default, is white.

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\visible{⟨*overlay specification*⟩}{⟨*content*⟩}

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The \only command also uncovers its content on the overlays specified in the overlay specification.

The content is absent from unspecified overlays and does not take up space there.

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The \only command also uncovers its content on the overlays specified in the overlay specification.

The content is absent from unspecified overlays and does not take up space there.

This is particularly useful for alternating content.

Verbatim content

For incremental slides with verbatim content, the following environment should be used instead of the `overlays` environment:

```
\begin{fragileoverlays}{⟨total overlay number⟩}
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Note that the `\alert`, `\visible`, and `\only` commands themselves must not contain verbatim commands or environments.

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Note that the `\alert`, `\visible`, and `\only` commands themselves must not contain verbatim commands or environments. They may be used in the content of the `alltt` environment of the alltt package, though.

Caveats

The package expects that the slide content in the `overlays` environment fits on a single page. This can be ensured by means of `\clearpage` commands before or after the environment.

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The `page` and `equation` counters are not incremented between overlays. Other counters can be saved between overlays, too, by means of the command `\savecounterbetweenoverlays{`⟨*counter name*⟩`}`.

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Series of first-level lists specified by the `series` and `resume` keys of the enumitem package can be saved between overlays by means of the command `\saveseriesbetweenoverlays{`⟨*series name*⟩`}`, provided that the series name matches the basename of the list counter (i.e. the counter name without the final `i`).

Further caveats

In the `tabular` environment, the `\alert`, `\visible` and `\only` commands have to be put into braces:

outside `tabular`	inside `tabular`
`\alert{...}{...}`	`{\alert{...}{...}}`

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`\only{...}{...}`	`{\only{...}{...}}`

In addition, make sure not to include the cell delimiter `&` or the row delimiter `\\` into the content of these commands.

Non-interactive versions

Overlay processing can be switched off by means of the command `\overlaysoff`. If used in the preamble, this command typesets only the last overlay of each incremental slide in the presentation.

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Overlay processing can be switched off by means of the command `\overlaysoff`. If used in the preamble, this command typesets only the last overlay of each incremental slide in the presentation.

Similarly, the command `\alertsoff` removes highlights in `alert` color.

Both commands may be useful for non-interactive versions of a presentation, such as a presentation provided as a download.

Credits

The code of the overlays package is inspired by Matthias Meister's present package.

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In addition, it uses an algorithm by Martin Scharrer for testing numbers in numerical ranges (cf. http://tex.stackexchange.com/q/19000).

The code for saving counters between overlays as well as the code for overlays with verbatim content is taken from the texpower package, which in turn is based on Till Tantau's beamer package.