

Beamer v příkladech

Roman Plch

Ústav matematiky a statistiky, PřF MU, Brno



- Beamer is a wonderful class

- Beamer is a wonderful class
- One can make animations

- Beamer is a wonderful class
- One can make animations
- One uses the `pause` command, for example

- Beamer is a wonderful class
- One can make animations
- One uses the `pause` command, for example
- in order to bring in important ideas

- Beamer is a wonderful class
- One can make animations
- One uses the pause command, for example
- in order to bring in important ideas

```
\begin{itemize}  
\item Beamer is a wonderful class \pause  
\item One can make animations \pause  
\item One uses the \texttt{\pause} command \pause  
\item in order to bring in important ideas \pause  
\end{itemize}
```

- jedna

- jedna
- dva

- jedna
- dva
- tři

- jedna
- dva
- tři
- čtyři

- jedna
- dva
- tři
- čtyři

```
\begin{itemize}[<+>]  
\item jedna  
\item dva  
\item tři  
\item čtyři  
\end{itemize}
```

- Everything

- Everything

- has end.

- Everything
- that has

- has end.

- Everything
- that has
- beginning
- has end.

- Everything

- has end.

- Everything

```
\begin{itemize}  
\item<1->Everything  
\item<3-4>that has  
\item<4>beginning  
\item<2-5>has end.  
\end{itemize}
```

appear from slide 1 on

appear from slide 1 on
appears from 2 to slide 4

appears from slide 2 on

appear from slide 1 on
appears from 2 to slide 4
appears on slide 3
appears from slide 2 on

appear from slide 1 on
appears from 2 to slide 4

appears from slide 2 on

```
\uncover<1->
```

```
{appear from slide 1 on\\}
```

```
\uncover<2-4>
```

```
{appears from 2 to slide 4\\}
```

```
\uncover<3>{appears on slide 3\\}
```

```
\uncover<2->{appears from slide 2 on\\}
```

appear from slide 1 on

appear from slide 1 on
appears from 2 to slide 4
appear from slide 2 on

appear from slide 1 on
appears from 2 to slide 4
appear on slide 3
appear from slide 2 on

appear from slide 1 on
appears from 2 to slide 4
appear from slide 2 on

```
\only<1->{appear from slide 1 on\\}  
\only<2-4>{appears from 2 to slide 4\\}  
\only<3>{appear on slide 3\\}  
\only<2->{appear from slide 2 on\\}
```

- Language used by Beamer: L^ATEX
- Language used by Beamer: L^AT_EX

- Language used by Beamer: LATEX
- Language used by Beamer: LATEX

- Language used by Beamer: LATEX
- Language used by Beamer: LATEX

```
\begin{itemize}  
\item Language used by Beamer: L\uncover<2->{A}TEX  
\item Language used by Beamer: L\only<2->{A}TEX  
\end{itemize}
```

This text will be invisible on slide 2, but not on others slides

This text is always visible

Beamer

This text is always visible
Beamer is

This text will be invisible on slide 2, but not on others slides

This text is always visible

Beamer is super

This text will be invisible on slide 2, but not on others slides

This text is always visible

Beamer is super powerful

This text will be invisible on slide 2, but not on others slides

This text is always visible

Beamer is super powerful

```
\invisible<2>{This text will be invisible on slide 2,  
but not on others slides}\\
```

```
This text is always visible\\
```

```
\uncover<1->{Beamer} \uncover<2->{is}
```

```
\uncover<3->{super} \uncover<4->{powerful}
```

I am not on slide 3

I am not on slide 3
appears from slide 2 on

I am on slide 3
appears from slide 2 on
appears from slide 3 to slide 4
appears from slide 3 on

I am not on slide 3
appears from slide 2 on
appears from slide 3 to slide 4
appears on slide 4
appears from slide 3 on

```
\alt<3>{I am on slide 3\\}{I am not on slide 3\\}  
\only<2->  
{appears from slide 2 on\\}  
\only<3-4>  
{appears from slide 3 to slide 4\\}  
\only<4>{appears on slide 4\\}  
\only<3->{appears from slide 3 on\\}
```

```
\onslide<1>{Same effect as the following command.}
```

```
\uncover<1>{Same effect as the previous command.}
```

```
\onslide+<2>{Same effect as the following command.}
```

```
\visible<2>{Same effect as the previous command.}
```

```
\onslide*<3>{Same effect as the following command.}
```

```
\only<3>{Same effect as the previous command.}
```

Same effect as the following command. Same effect as the previous command.

Same effect as the following command. Same effect as the previous command.

Same effect as the following command. Same effect as the previous command.

This text is red

This text is red

This text is red

This text is red

```
\alert<1>{This text} \alert<2>{is} \alert<3>{red}
```

- Robert De Niro

- Robert De Niro
- Brian De Palma

- Robert De Niro
- Brian De Palma
- Gerard Depardieu

- Robert De Niro
- Brian De Palma
- Gerard Depardieu
- Tux

- Robert De Niro
- Brian De Palma
- Gerard Depardieu
- Tux

```
\begin{itemize}
\item <+ - | alert@+> Robert De Niro
\item <+ - | alert@+> Brian De Palma
\item <+ - | alert@+> Gerard Depardieu
\item <+ - | alert@+> Tux
\end{itemize}
```

Some colors ...
Green color
Great !!!

Some colors ...

Green color

Great !!!

Some colors ...

Green color

Great !!!

Some colors ...\\

```
{\color<2->{green} Green color}\\
```

Great !!!

```
\end{itemize}
```

- Everything
- that has
- beginning
- has end.

- Everything
- that has
- beginning
- has end.

- Everything
- that has
- beginning
- has end.

- Everything
- that has
- beginning
- has end.

- Everything
- that has
- beginning
- has end.

```
\begin{itemize}
\item<1-> \alt<1>{\color{blue} Everything}{\color{gray}Everything}
\item<1-> \alt<2>{\color{blue} that has}{\color{gray} that has}
\item<1-> \alt<3>{\color{blue} beginning}{\color{gray} beginning}
\item<1-> \alt<4>{\color{blue} has end.}{\color{gray} has end.}
\end{itemize}
```

Block title

This is a block in blue

Alert-block title

This is a block in red

Example-block title

This is a block in green

Block title

This is a block in blue

Alert-block title

This is a block in red

Example-block title

This is a block in green

```
\begin{block}{Block title}
This is a block in blue
\end{block}
```

```
\begin{alertblock}{Alert-block title}
This is a block in red
\end{alertblock}
```

```
\begin{exampleblock}{Example-block title}
This is a block in green
\end{exampleblock}
```

Theorem

$$A = B.$$

Theorem

$A = B.$

```
\setbeamercolor{uppercol}{fg=white,bg=brown}%  
\setbeamercolor{lowercol}{fg=black,bg=green}%  
\begin{beamerboxesrounded}[upper=uppercol,lower=lowercol,  
shadow=true]{Theorem}  
$A = B$.  
\end{beamerboxesrounded}
```

Class	A	B	C	D
X	1	2	3	4

Class	A	B	C	D
X	1	2	3	4
Y	3	4	5	6

Class	A	B	C	D
X	1	2	3	4
Y	3	4	5	6
Z	5	6	7	8

Class	A	B	C	D
X	1	2	3	4
Y	3	4	5	6
Z	5	6	7	8

```

\begin{tabular}{lcccc}
  Class & A & B & C & D \\ \hline
  X      & 1 & 2 & 3 & 4 \\
  Y      & 3 & 4 & 5 & 6 \\
  Z      & 5 & 6 & 7 & 8
\end{tabular}

```

Class	A
X	1
Y	3
Z	5

Class	A	B
X	1	2
Y	3	4
Z	5	6

Class	A	B	C
X	1	2	3
Y	3	4	5
Z	5	6	7

Class	A	B	C	D
X	1	2	3	4
Y	3	4	5	6
Z	5	6	7	8

Class	A	B	C	D
X	1	2	3	4
Y	3	4	5	6
Z	5	6	7	8

```
\begin{tabular}{lc<{\onslide+<2->}c<{\onslide+<3->}c<{\onslide+<4->}c<{\onslide+}c}  
  Class & A & B & C & D \\  
  X      & 1 & 2 & 3 & 4 \\  
  Y      & 3 & 4 & 5 & 6 \\  
  Z      & 5&6&7&8  
\end{tabular}
```

Text v prvním sloupečku.

Text v druhém sloupečku.

Text v prvním sloupečku.

Text v druhém sloupečku.

```
\begin{columns}
\begin{column}{5cm}
Text v prvním sloupečku.
\end{column}
\begin{column}{5cm}
Text v druhém sloupečku.
\end{column}
\end{columns}
```

Column 1 Header

Column 1 Body Text

Column 2 Header

Column 2 Body Text

Column 1 Header

Column 1 Body Text

Column 2 Header

Column 2 Body Text

```
\begin{columns}[t]
\column{.5\textwidth}
\begin{block}{Column 1 Header}
Column 1 Body Text
\end{block}
\column{.5\textwidth}
\begin{block}{Column 2 Header}
Column 2 Body Text
\end{block}
\end{columns}
```

- Glitter at /Di 315 (default on this slide):
`\transglitter[direction=315]`

- Glitter at /Di 315 (default on this slide):
`\transglitter[direction=315]`
- Boxout `\transboxout<2>`

- Glitter at /Di 315 (default on this slide):
`\transglitter[direction=315]`
- Boxout `\transboxout<2>`
- Boxin: `\transboxin<3>`

- Glitter at /Di 315 (default on this slide):
`\transglitter[direction=315]`
- Boxout `\transboxout<2>`
-Boxin: `\transboxin<3>`
- Dissolve transition: `\transdissolve<4>`

- Glitter at /Di 315 (default on this slide):
`\transglitter[direction=315]`
- Boxout `\transboxout<2>`
-Boxin: `\transboxin<3>`
- Dissolve transition: `\transdissolve<4>`
- Split vertical out: `\transsplitverticalout<5>`

Link bude odkazovat na tuto stránku.

◀ Zpět

```
\begin{frame}[label=moje_znacka]
```

Link bude odkazovat na tuto stránku.

```
\hyperlink{zpatky}{\beamerreturnbutton{Zpět}}  
\end{frame}
```

▸ Odkaz na stránku

```
\begin{frame}[label=zpatky]
\hyperlink{moje_znacka}{%
\beamergotobutton{Odkaz na stránku}}
\end{frame}
```