

# The beamer-rl class

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Repository: <https://github.com/seloumi/beamer-rl>

Bug tracker: <https://github.com/seloumi/beamer-rl/issues>

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Creating beamer presentation for right to left languages (like arabic) using pdf $\LaTeX$  or Xe $\LaTeX$  still poses many problems due to bugs not currently resolved especially for colors and hyperlinks

The Lua $\TeX$  team set solutions for these issues thanks to them and to *Javier Bezos* for his works on the package `babel` and `bidi` writing

This class provides patches of some beamer templates and commands to create right to left beamer presentation, the class call `babel` with `bidi=basic` option and require Lua $\TeX$  engine

```
\documentclass{beamer-rl}  
  
% import language  
\babelprovide[import=ar-DZ, main]{arabic}  
  
\usetheme{Madrid}  
  
\begin{document}  
...  
\end{document}
```

The class define `Amiri` as default sans serif font, we can modify this in the preamble with

```
\babelfont{sf}{<font name>}
```

All options provided by `beamer` can be added with `beamer-rl`. Additional options can also be passed to package `babel` with `beamer-rl` like this

```
\documentclass[babel={<babel options>}]{beamer-rl}
```

- The `beamer-rl` class swap the definition of `\blacktriangleright` with `\blacktriangleleft` in RTL context

	<code>\blacktriangleright</code>	<code>\blacktriangleleft</code>
LTR context	◀	▶
RTL context	▶	◀

- Class option `arabic` call an Arabic dictionary to translate strings like `... theorem, example, definition`

```
\documentclass[arabic]{beamer-rl}
```

- In some cases you need to use `\babebsublr` command from `bebel` package to insert a left to right text within your right to left text, e.g if you need to insert a `pspicture` drawing in RTL context

```
\babebsublr{LTR context ... }
```

pgfpages-rl adds to pgfpages the ability to support TRT pagedir, the package requires Lua<sup>A</sup>T<sub>E</sub>X engine. It can also be used with other document classes besides beamer-rl

```
\documentclass{beamer-rl}
\babelprovide[import=ar-DZ, main]{arabic}
\usetheme{Warsaw}
\usepackage{pgfpages-rl} % adapt pgfpages to TRT pagedir
\setbeamertemplate{note page}[]
\setbeameroption{show notes on second screen=right}
\begin{document}
...
\end{document}
```

# Examples



```
\setbeamertemplate{blocks}[default]
```

Lorem

On 21 April 1820, during a lecture, Ørsted noticed a compass needle deflected from magnetic north when an electric current from a battery was switched on and off.

```
\setbeamertemplate{blocks}[rounded] [shadow=true]
```

Lorem

On 21 April 1820, during a lecture, Ørsted noticed a compass needle deflected from magnetic north when an electric current from a battery was switched on and off.

```
\setbeamertemplate{enumerate item}[ball]
\begin{enumerate}
\item First
\item Second
\end{enumerate}
```

First ❶  
Second ❷

```
% in RTL context
\setbeamertemplate{itemize item}[triangle]
\begin{itemize}
\item First
\item Second
\end{itemize}
```

First ◀  
Second ◀

- ▶ First
- ▶ Second

```
% in LTR context
\setbeamertemplate{itemize item}[triangle]
\begin{itemize}
\item First
\item Second
\end{itemize}
```

**.First** ●

.Second ●

return to first slide ◀

```
\hyperlink{jumptofirst}  
{\beamergotobutton{return to first slide}}  
\hypertarget<1>{jumptofirst}{}
```

.First ●

.Second ●

return to first slide ◀

```
\hyperlink{jumptofirst}  
{\beamergotobutton{return to first slide}}  
\hypertarget<1>{jumptofirst}{}
```

.The proof uses *reductio ad absurdum*

نظرية

.There is no largest prime number

برهان.

.were the largest prime number  $p$  Suppose ①

.numbers  $p$  be the product of the first  $q$  Let ②

.is not divisible by any of them  $q + 1$  Then ③

thus divisible by some prime number not in  $\{1, \dots, q\}$ , is greater than  $q + 1$  But ④

.numbers  $p$  the first



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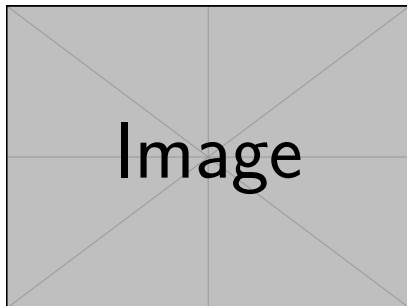
.numbers  $p$  be the product of the first  $q$  Let ②

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.numbers  $p$  the first





```
\framezoom<1><2> [border=2] (1cm,1cm) (2cm,2cm)  
% (1cm,1cm)=(<upper right x>,<upper right y>)  
% (2cm,2cm)=(<zoom area width>,<zoom area depth>)  
\pgfimage [height=5cm] {example-image}
```

Image