

beamer-rl class

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

v2.1 - 22/07/2026

- 1 Introduction
- 2 How to use beamer-rl
- 3 Some notes
- 4 pgfpages-rl package
- 5 Examples
 - Blocks
 - Lists
 - Hyperlinks
 - Theorems
 - Zooming

Creating beamer presentation for languages with script from right to left (like arabic) using pdf $\text{\TeX}$ or X $\text{\TeX}$ still poses many problems due to bugs not currently resolved especially for colors.

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

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

How to use beamer-rl I

```
\documentclass{beamer-rl}

% import language
\babelprovide[import=ar-DZ, main]{arabic}

\usetheme{Madrid}

\begin{document}
...
\end{document}
```

We get a similar result by adding the main language of the presentation (language with right-to-left script) as option of class as follows:

How to use beamer-rl II

```
\documentclass[arabic]{beamer-rl}  
  
\usetheme{CambridgeUS}  
  
\begin{document}  
...  
\end{document}
```

We can also add more language options that the command `\babelprovide` provides as follows:

```
\documentclass[arabic={mapdigits}]{beamer-rl}  
  
% equivalent to  
% \babelprovide[import,main,mapdigits]{arabic}
```

How to use beamer-rl III

The class define in the same way as options (languages supported by the package babel with script from right to left)

arabic	arabic-ps	pashto
arabic-dz	arabic-jo	persian
arabic-tn	centralkurdish	punjabi-arab
arabic-ma	hebrew	syriac
arabic-eg	kashmiri	urdu
arabic-sa	mazanderani	uyghur
arabic-iq	malayalam	uzbek-arab
arabic-sy	northernkurdish-	yiddish
arabic-lb	arab	

Some notes I

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

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

- The class defines option layout which passes its content to babel

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

More on the subject can be found in the manual of babel package [▶ link](#)

- In some cases you need to use `\babelsublr` 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

```
\bebelsublr{LTR context ... }
```

pgfpages-rl adds to pgfpages the ability to support TRT pagedir, the package requires Lua^AT_EX 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.

enumerate, itemize I

```
\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 ◀

enumerate, itemize II

- ▶ 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}{}  

```

Theorems

The proof uses *reductio ad absurdum*.

نظرية

.There is no largest prime number

.Proof

.Suppose p were the largest prime number ①

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

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

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



.the first p numbers

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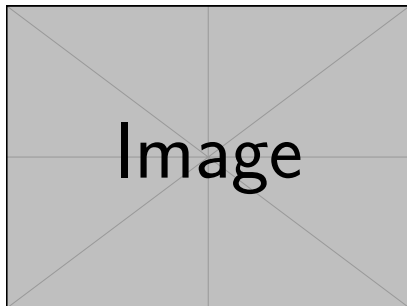
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But $q + 1$ is greater than 1, thus divisible by some prime number not in ④
the first p numbers





```
\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