

# The beamer-rl package

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

May 2, 2019

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

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 `bidi` writing

This package provides patches of some beamer templates and commands for right to left presentation, this package call `babel` with `bidi=basic-r` option and require `lualatex` engine

```
\documentclass{beamer}  
\usepackage{beamer-rl}  
\babelprovide[import=ar-DZ, main]{arabic}  
\babelfont{sf}{Amiri}  
  
\mode<presentation>{\usetheme{Warsaw}}  
\begin{document}  
...  
\end{document}
```

```
\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.

- first item ❶
- second item ❷
- third item ❸

```
\setbeamertemplate{itemize item}[triangle]
```

- first item ◀
- second item ◀
- third item ◀

- ▶ first item
- ▶ second item
- ▶ third item

.First item ●

.Second item ●

.Third item ●

[return to second slide ◀](#)

.First item ●

.Second item ●

.Third item ●

[return to second slide ◀](#)



- .First item ●
- .Second item ●
- .Third item ●

[return to second slide ◀](#)

.The proof uses *reductio ad absurdum*

## Theorem

.There is no largest prime number

## Proof

.Suppose  $p$  were the largest prime number ❶

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

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

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

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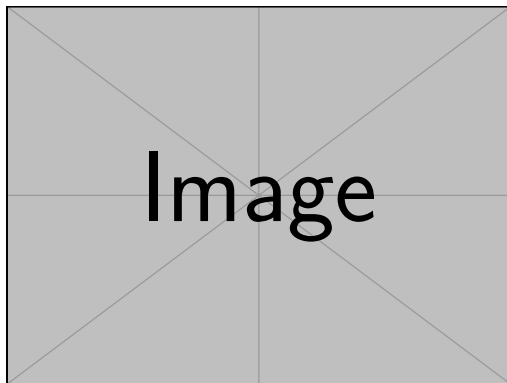
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*But  $q + 1$  is greater than 1, thus divisible by some prime number not in the  
first  $p$  numbers ④*



```
\framezoom<1><2>[border=2](2cm,2cm)(2cm,2cm)  
\pgfimage[height=5cm]{example-image}
```

mage

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

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

- In some cases you need to use `\babelsublr` command from `babel` 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