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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Introduction

Creating beamer presentation for languages with script from right to left (like arabic) using pdfLTEX or XTLTEX still poses many problems due to bugs not currently resolved especially for colors.

The LuaTeX 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 patchs of some beamer templates and commands to create right to left beamer presentation, the class call babel with bidi=basic option and require Lual*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 preambule 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 • Inc.

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 ... }
```

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pgfpages-rl package

pgfpages-rl adds to pgfpages the ability to support TRT pagedir, the package requires Lual*TEX engine. It can also be used with other document classes besides beamer-rl

```
\documentclass{beamer-r1}
\babelprovide[import=ar-DZ, main]{arabic}
\usetheme{Warsaw}
\usepackage{pgfpages-r1} % adapt pgfpages to TRT pagedir
\setbeamertemplate{note page}[]
\setbeameroption{show notes on second screen=right}
\begin{document}
...
\end{document}
```

Examples

Blocks

\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 0
```

```
Second 2
```

```
% 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}
```

Hyperlinks

- First •
- ·Second •

return to first slide ◀

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

Hyperlinks

- First •
- Second

return to first slide 📢

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

The proof uses reductio ad absurdum.



There is no largest prime number



- •were the largest prime number p Suppose \bullet
- •numbers p be the product of the first q Let
- •is not divisible by any of them q + 1 Then
- thus divisible by some prime number not in ,1 is greater than q+1 But \P numbers p the first

The proof uses reductio ad absurdum.



•There is no largest prime number



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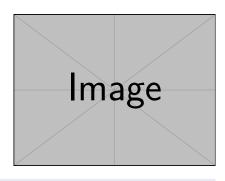


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Zooming



```
\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}
```

lmage

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