

# Org-Mode Beamer Example

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# Outline

- 1 Introduction
- 2 A collection of example pages
- 3 Multiple Columns
- 4 Conclusions
- 5 Appendix

# Org mode version information

```
Emacs version: GNU Emacs 24.3.1 (i686-pc-linux-gnu, GTK+ Version
  of 2014-02-22 on chindi10, modified by Debian
org version: 8.2.5h
```

- This is based on an the Worg hosted example by Eric S. Fraga and on the beamer reference card by Fabrice Niessen on GitHub.
- The H:2 setting in the options line is important for setting the Beamer frame level. Headlines will become frames when their level is equal to `org-beamer-frame-level`.
- nice link: beamer theme matrix
- nice example on beamer features (pure Latex)
- `http://www2.informatik.hu-berlin.de/~mischulz/beamer.html`

# A simple slide

This slide consists of some text with a number of bullet points:

- the first, very **important**, point!
- the previous point shows the use of the special markup which translates to the Beamer specific *alert* command for highlighting text.

The above list could be numbered or any other type of list and may include sub-lists.

# A more complex slide

This slide illustrates the use of Beamer blocks. The following text, with its own headline, is displayed in a block:

## Theorem (Org mode increases productivity)

- *org mode means not having to remember  $\text{\LaTeX}$  commands.*
- *it is based on ascii text which is inherently portable.*
- *Emacs!*



# block environments

## a block

```
\begin{block}{A block}  
...  
\end{block}
```

## an alert block

```
\begin{alertblock}{An alert block}  
...  
\end{alertblock}
```

## an example block

```
\begin{exampleblock}{An alert block}  
...  
\end{exampleblock}
```

This does not work

```
\begin{beamercolorbox}[shadow=true, rounded=true]{eecks}  
...  
\end{beamercolorbox}
```



A `fullframe` is a `frame` with an ignored title. `frametitle` is set to the empty string

- A headline with an `ignoreheading` environment will have its contents only inserted in the output.
- Contents is not inserted in any `frame` environment.
- This special value is useful to have data between frames, or to properly close a `column` environment.

- For highlighting text.
- To help the audience see the structure of your presentation.
- might need to use `ignoreheading` in order to then insert some more normal text.

Definition (definition)

Contents of the definition

proof.

- Suppose  $p$  were the largest prime number.

proof.

- Suppose  $p$  were the largest prime number.
- Let  $q$  be the product of the first  $p$  numbers.

proof.

- Suppose  $p$  were the largest prime number.
- Let  $q$  be the product of the first  $p$  numbers.
- Then  $q + 1$  is not divisible by any of them.

proof.

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



# Two columns

## A left block

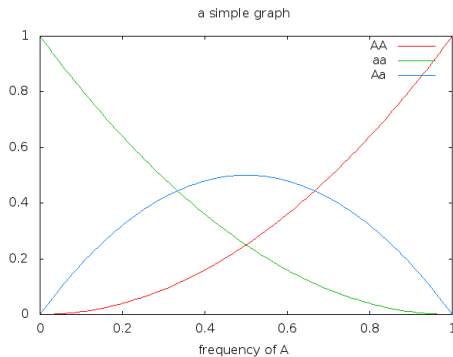
- this slide consists of two columns
- This is the first column

## A right block

- this is the right column

# Two columns

- this slide consists of two columns
- the first (left) column has no heading and consists of text
- the second (right) column has an image and is enclosed in an **example** block



## Octave code

```
A = [1 2 ; 3 4]
b = [1; 1];
x = A\b
```

## The output

A =

1	2
3	4

x =

-1
1

# Summary

- org is an incredible tool for time management
- @but@ it is also excellent for writing and for preparing presentations
- Beamer is a very powerful  $\text{\LaTeX}$  package for presentations
- the combination is unbeatable!

# Some details

These details are not part of the main talk.