

Writing Beamer presentations in org-mode

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Outline

- 1 Introduction
- 2 Methodology
- 3 Conclusions

This presentation provides an illustration of some of the capabilities of the **Beamer** export in `org` mode:

- 1 simple slides (this one),
- 2 slides with special blocks,
- 3 multi-column slides and
- 4 the use of **Babel** for literate programming.

This file should be exported using `M-x org-export-dispatch` specifying `1` for \LaTeX and then `P`, for instance, to generate the PDF.

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 **bold** emphasis which is translated to a `\alert{}` directive in \LaTeX .

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 \LaTeX commands.*
- *it is based on ASCII text which is inherently portable.*
- *Emacs!*



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

Example (A screenshot)

This slide shows some code and resulting output using **Babel**. Note the specification of `BEAMER_act` property for the second column.

Octave code

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

Babel

This slide shows some code and resulting output using **Babel**. Note the specification of `BEAMER_act` property for the second column.

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 \LaTeX package for presentations
- the combination is unbeatable!