

This is the LyX Beamer Template

With Trivial Edits by Paul Johnson

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Conference on Fabulous Presentations, 2003

To Get Started

- Open LyX
- Menu: File -> New From Template
- Choose “beamer-conference-ornate-20min.lyx”
- After that, you would be “In” this document you are looking at now.
- I want you to compile it, experiment with it. See last section.

Outline

- 1 Motivation
 - The Basic Problem That We Studied
 - Previous Work
- 2 Our Results/Contribution
 - Main Results
 - Basic Ideas for Proofs/Implementations
- 3 What Does PJ Want You To Notice?

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Make Titles Informative. Use Uppercase Letters.

Frame subtitles are optional. Use upper- or lowercase letters.

- Use Itemize a lot.
- Use very short sentences or short phrases.
- These overlays are created using the Pause style.

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- This allows you to present things in any order.
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Make Titles Informative.

- Untitled block.
- Shown on all slides.

Some Example Block Title

- $e^{i\pi} = -1$.
- $e^{i\pi/2} = i$.

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Example

On first slide.

Example

On second slide.

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On first slide.

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Make Titles Informative.

Theorem

On first slide.

Corollary

On second slide.

Make Titles Informative.

Theorem

On first slide.

Corollary

On second slide.

Make Titles Informative.

Theorem

In left column.

Corollary

In right column.

New line

Make Titles Informative.

Theorem

In left column.

Corollary

In right column.

New line

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Summary

- The **first main message** of your talk in one or two lines.
- The **second main message** of your talk in one or two lines.
- Perhaps a **third message**, but not more than that.

- Outlook
 - What we have not done yet.
 - Even more stuff.

LyX's Frame approach is a bit frustrating

- Lyx has a (frustrating) environment for frames (changes over time)
 - Must indent everything, wastes screen space
 - frame options difficult to specify
 - Very touch GUI to create new frames (maybe I'm just not young enough)
- Generally, I don't use their GUI, I use ERT:

```
\begin{frame}  
\frametitle{This is what the ERT slide looks like}  
}
```

followed by ordinary LyX content, ending with more ERT

```
\end{frame}
```

This is what the ERT slide looks like

- anything here is ordinary lyx content
- awesome math works fine:

$$\Gamma(x) = \beta^{k_i} \frac{\alpha_1}{\alpha_2} \kappa^P \quad (1)$$

- Can cross reference equation (1) and use sections and all that
- Just remember to insert the `end{frame}`!

In LyX, can create features expected in Slides...

Please notice we have

- itemized or enumerated lists
- two column frames (but not nice looking inside LyX)
- “feature/alert” theorem blocks, although clumsy

Please experiment with edits, and FREQUENTLY try to View the PDF result.

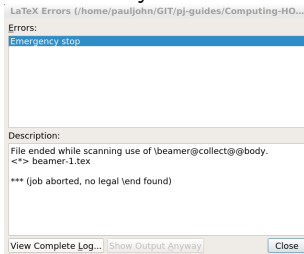
Turn on Source View

- You'll see some simple, uncustomized \LaTeX markup (see the “itemize” environment for lists). Most of the markup you see would be standard.
- Run File -> Export -> \LaTeX (pdflatex). That will create a *.tex file you can edit and test if you want to be a “raw” \LaTeX user.
- Over time, the LyX source view looks more and more like LaTeX you'd write for yourself.

Break This Document: end

If you do any of the following, this document will fail to compile

- Accidentally omit an end frame statement.



LaTeX Errors (/home/pauljohn/GIT/pj-guides/Computing-HO...)

Errors:

Emergency stop

Description:

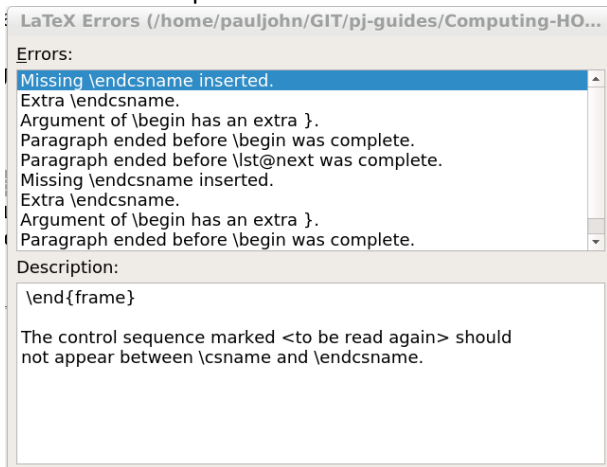
```
File ended while scanning use of \beamer@collect@@body.
<*> beamer-1.tex

*** (job aborted, no legal \end found)
```

View Complete Log... Show Output Anyway Close

Break this document: listings

- Menu: Insert -> “Program Listing” . Type anything in the box. PDF Compile fails!



LaTeX Errors (/home/pauljohn/GIT/pj-guides/Computing-HO...)

Errors:

Missing \endcsname inserted.
Extra \endcsname.
Argument of \begin has an extra }.
Paragraph ended before \begin was complete.
Paragraph ended before \lst@next was complete.
Missing \endcsname inserted.
Extra \endcsname.
Argument of \begin has an extra }.
Paragraph ended before \begin was complete.

Description:

```
\end{frame}
```

The control sequence marked <to be read again> should not appear between \csname and \endcsname.

Break this document: The Take Away

- seemingly small changes you make can result in failure
AND
- the error messages are really and truly unhelpful
- So Compile Early, Compile Often.