

Sample julia Presentation

G. Jay Kerns

The Really Great Institute
Somewhere On, Earth

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A Sample `julia` Beamer presentation

For this to successfully export to PDF you'll need

```
(require 'ox-beamer)
```

and you'll need a Beamer entry similar to this

```
(add-to-list 'org-latex-classes
  '("beamer"
    "\\documentclass[presentation]{beamer}
    \\[DEFAULT-PACKAGES]
    \\[PACKAGES]
    \\[EXTRA] "
      ("\\section{%s}" . "\\section*{%s}")
      ("\\subsection{%s}" . "\\subsection*{%s}")
      ("\\subsubsection{%s}" . "\\subsubsection*{%s}")))
```

in your .emacs. Then open the org file and do: C-c C-e 1 P.

Frame 1

Two blocks with a pause in between, noweb reference

Here is some julia code

```
2+3  
print("hello, there!")  
sqrt(5)
```

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sqrt(5)
```

Here is the output

```
5  
hello, there!  
2.23606797749979
```

Frame 2

Horizontal block, text (list) animations, footnotes, hyperlinks

This block extends horizontally

Be sure to put

```
#+PROPERTY: session *julia*
```

at the top of the org file to ensure julia code block session evaluation by default.

- ▶ Enter Column View¹ with C-c C-x C-c on headline

¹See this message on Gmane for more about Column View.

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- ▶ Set ignoreheading with C-c C-b i on headline

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Frame 3

Images and captions, font tweaks for source code

The julia code

```
using Winston
x = linspace(0, 3pi, 100)
c = cos(x)
s = sin(x)
p = FramedPlot();
setattr(p, "title", "title!")
setattr(p, "xlabel", L"\Sigma x^2_i")
setattr(p, "ylabel", L"\Theta_i")
add(p, FillBetween(x, c, x, s) )
add(p, Curve(x, c, "color", "red") )
add(p, Curve(x, s, "color", "blue") )
file(p, "example1.pdf")
```

The image

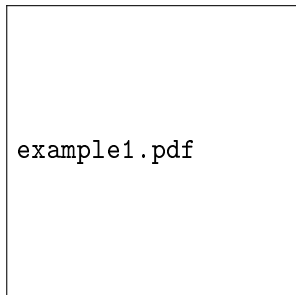


Figure: A julia graph

References

Write this one in pure LaTeX and allowframebreaks



R. Smart Guy.

This theorem is hard to prove.

Journal of Difficult Things, 5(7):91–97, 2013.



Somebody R. Important.

A Heavy Book.

Bigtime-Publisher, 2012.

- ▶ Beamer Class Export.
The Org Manual.
<http://orgmode.org/manual/Beamer-class-export.html>
- ▶ Writing Beamer presentations in org-mode.
The link is on Worg *here*. Also see *here* for info regarding the new exporter.