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# Example slides for CCS4seminar class

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## CCS4seminar class

The CCS4seminar class is built on the `seminar` class by Timothy van Zandt and uses the `fancyhdr` style.

It adds support for labeling of classified documents, and “M of N” style page numbers.

It also creates a custom title page with the comand:

```
\begin{slide} \seminarTitle \end{slide}
```

The LANL and CCS4 logos are automatically included. To change this behavior, redefine the `\seminarTitle` command, or just roll your own title page

## The Seminar Class

The seminar class is a replacement for the L<sup>A</sup>T<sub>E</sub>X slide class. It offers more customization of the appearance, section and subsection headings, note generation and printing, and a lot more.

### Notes

Note and slide generation is controlled through class arguments. Use `slidesonly` and `notesonly` to produce them separately. `article` Produces two slides per page *or* one slide and notes.

These are notes for Slide 2. They are part of the same L<sup>A</sup>T<sub>E</sub>X document as the slides and are located outside of the slide environment.

The `seminar` class is based on the `LATEX article` class. Everything works pretty much as you would expect, like equations:

$$\begin{aligned}\frac{\partial B}{\partial t} &= \nabla \times E \\ \frac{\partial D}{\partial t} &= -\nabla \times H \\ \nabla \cdot D &= \rho \quad \nabla \cdot B = 0\end{aligned}\tag{1}$$

The `verbatim` environment. (Good for code snippets)

```
pair<double,int> distance_bin =  
    Angular_Distance_Computer<CS>::compute_distance(  
        particle, angular_mesh);  
double angular_bin_distance = distance_bin.first;
```

## Figures and references

And the figure environment:

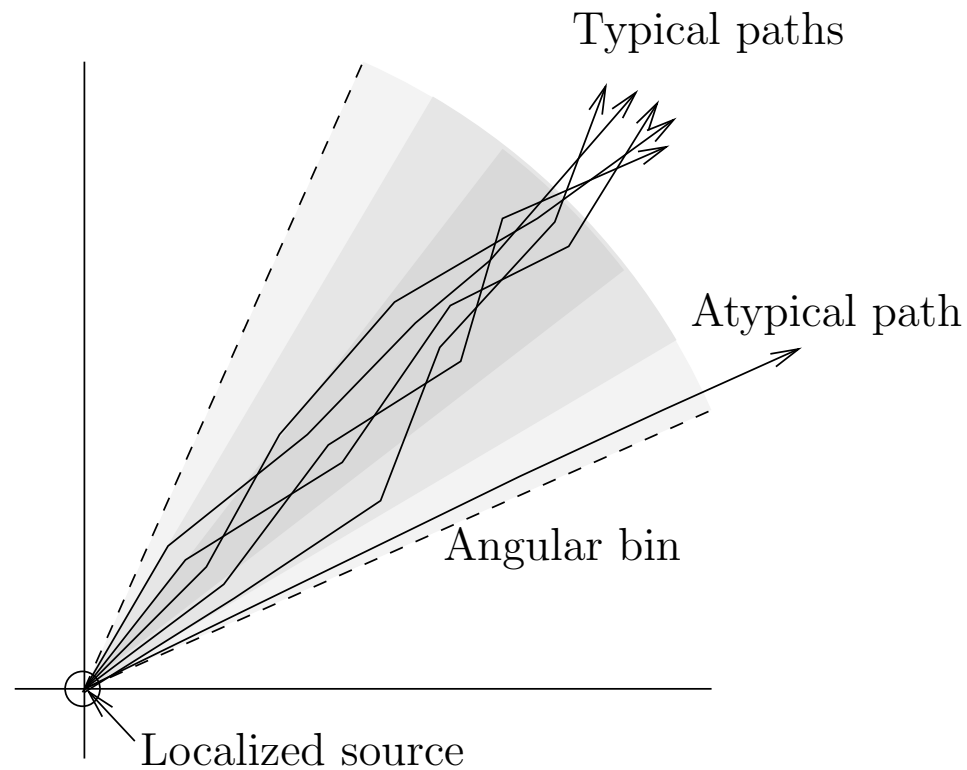


Figure 1: A random figure

## Figure sizes

The `seminar` class uses *magnification* to produce slide-sized text and to keep proportions the same between the slides and the article format. This also affects image sizes.

Use `\semin` and `\semcm` for slide-sized inches and cm to specify image sizes. `\scalebox` can be used to enclose and scale images as well.

## References

The `\pageref` command works with slide numbers:

“Figure~\ref{fig:figure} on Slide~\pageref{fig:figure}”  
yields “Figure 1 on Slide 4”.

(This is perhaps of dubious utility in a slide presentation.)

## Orientation

Class `seminar` produces slides in Landscape orientation by default. To make slides in portrait orientation, use the `portrait` class argument and the `slide*` environment. e.g.

```
\documentclass[slidesonly,portrait]{CCS4seminar}
\begin{document}
\begin{slide*}
  Blah, blah, blah...
\end{slide*}
```



## Slide Borders

We can also change the border of the slide with the `\slideframe{}` command. It's argument values are: `plain`, `oval`, `shadow`, `double`, `none`. Type `plain` is the default (see previous pages).

A `\slideframe` command in the preamble changes the default.

The `\slideframe` command also has an optional argument for commands which affect the style.

This page was created with `\slideframe{oval}`.

This slide uses `\slideframe{shadow}`

## Slide headings

Slide headings and sub-headings are defined with `\slideheading` and `\slidesubheading`.

They appear identically on the slide. `\slideheading` updates the section number and changes the footnote entry.

This slide uses `\slideframe{double}`.

## Headers/Footers

There are four commands for changing the slide headings.

Command	Default Value
<code>\leftHead{}</code>	<code>\theAuthor</code>
<code>\rightHead{}</code>	<code>\theDate</code>
<code>\leftFoot{}</code>	<code>\theslidesection--\theslideheading</code>
<code>\rightFoot{}</code>	<code>\theSlideOfTotal</code>

Changes are local to the slide they are defined in. If outside of a slide environment, they affect all subsequent slides.

The slide sections which appear in the footer are defined with the `\slideheading` command. The section numbers are assigned automatically, starting with one.

The command `\theSlideOfTotal` generates the “10 of 13” page numbers. To define your own, the slide number is available as `\theslide` and the final slide number is `\lastSlide`.

## SRD tags

This presentation was created with the optional SRD argument.  
This causes all slides to be labeled as secret.

```
\documentclass[slidesonly,SRD]{CCS4seminar}
```

The text of the SRD label is changed with the command  
`\SRDtext{}`.

We have done this to avoid splashing “SECRET/RD” around in an unclassified presentation

This slide contains the command `\notSRD` and so is labeled UNCLASSIFIED. Only this slide is affected, since the command was issued inside the slide environment.

The text label for unclassified pages can be changed with `\notSRDtext{}`.

If `\notSRD` is issued outside a slide environment, it affects all remaining slides, except when overridden by `\isSRD`.

## Documentation

For additional information on the options available in the seminar class and the fancyhdr style on which CCS4seminar is based, see the files:

`/codes/radtran/vendors/tex/doc/sem-user.pdf` and  
`/codes/radtran/vendors/tex/doc/fancyhdr-1.pdf`.

The files to create this document are stored in

`/codes/radtran/vendors/tex/doc/CCS4seminar`.