

TU Darmstadt – Institute of Mechanics – AG4

<http://coulomb.mechanik.tu-darmstadt.de/>

ifmslide.sty v0.44 November 13, 2000

**Enhanced presentations with (PDF) $\LaTeX$   
combining the texpower, hyperref and  
seminar-packages**

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# About ifmslide.sty

Early in May 2000 ...

OK! Cancel this stirring story about my problems generating printouts for my presentation.

What can `ifmslide.sty` do for you?

You like to do nice presentations of your business with beamers or on a screen?

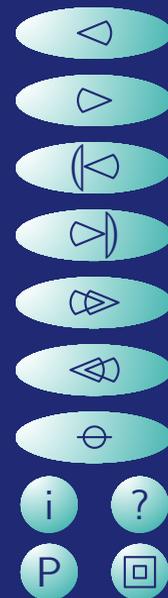
You are not sure that all these things work when you need them?

You feel better with a stack of printed slides in your bag?

`ifmslide.sty` provides both: getting a presentation with PDF $\LaTeX$  and printouts with  $\LaTeX$  and - as a side effect - simple production of your slides using your favourite DVI-viewer.<sup>a</sup> You don't need PPower4 to get all these nice effects with page-transitions and stepwise building of the pages. All you need is `texpower` [1] and `hyperref` [2] for the links and buttons etc. `ifmslide.sty` makes use of the special features of the classes `seminar` and `powersem` (part of `TEXPower`).

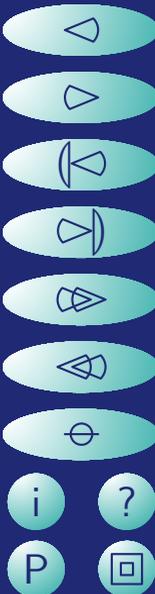
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<sup>a</sup>This is **not** `pdfslide` [3] as it seems to be in a first view. It was indeed developed from that style but now completely rewritten with many new features implemented and functionally extended. `pdfslide` cannot produce printouts without generating a PDF-file and rescaling the output with all difficulties.



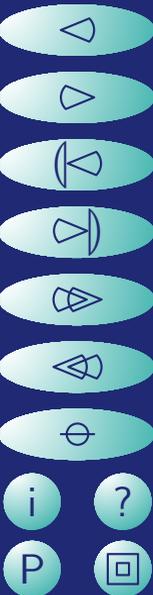
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... produces DVI ( $\text{\LaTeX}$ ) for printouts and PDF ( $\text{PDF}\text{\LaTeX}$ ) for direct presentation.



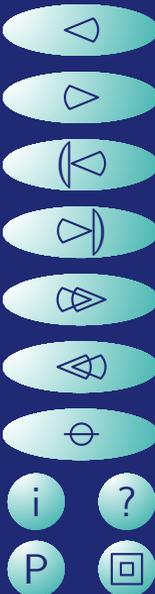
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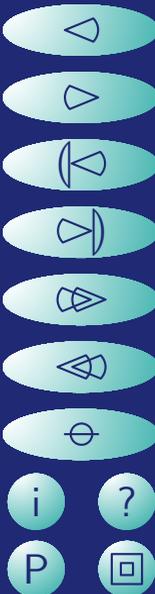
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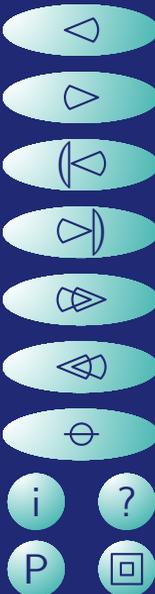
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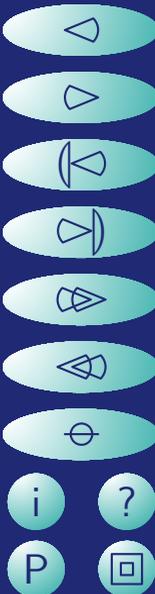
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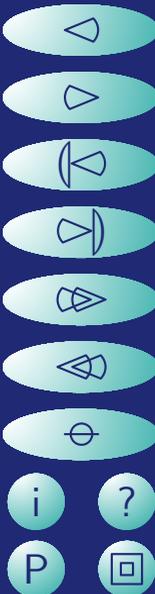
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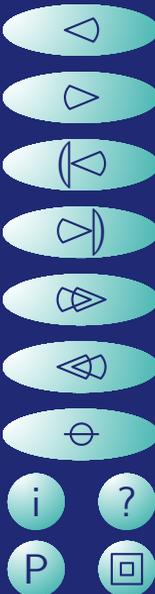
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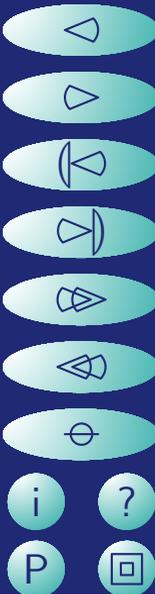
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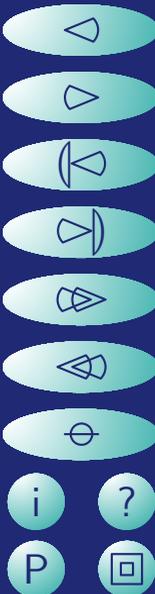
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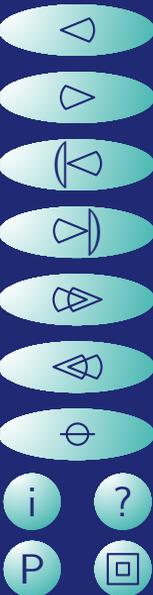
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- ... free choice of button-design, background for the panel and the frame...
- ... you can use most of the features of the seminar-package: magnification etc.



# Options

The following options are provided:

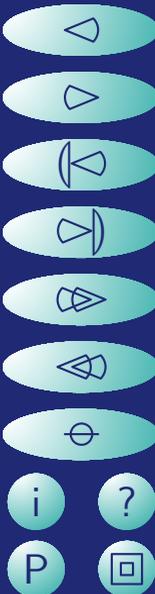


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shows colored boxes as white boxes with frames, efficient for debugging and writing the slides. The `pause-command` is displayed as a small orange box.



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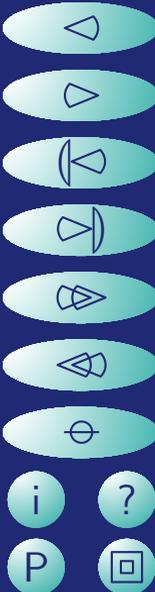
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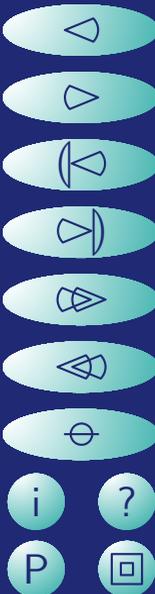
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## **ams, cnav, cnavo, stmo**

turn the navigation buttons on and sets the style. Just try it...



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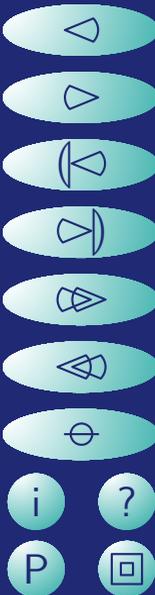
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turn the navigation buttons on and sets the style. Just try it...

## button

use definable buttons together with the last option instead of just putting a box around the signs.



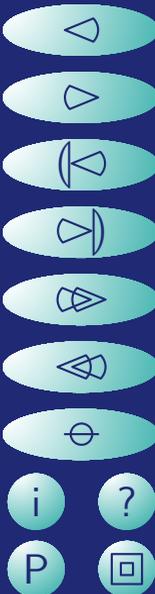
# Pagestyles

## sidebar, panel

Switch the navigation panel on.

**plain, myheadings, headings** are redefined to it.

You can put the panel at all positions with `\panelposition`



# Pagestyles

## **empty**

No panel – only a frame and background.

But you can put a panel outside of the frame with `\panelposition` which is not present in  $\text{\LaTeX}$ -mode and outside of the normal papersize in  $\text{PDF}\text{\LaTeX}$ -mode!

# Pagestyles

## panelposition

`\panelposition{left/right/top/bottom}` changes the position of the panel to the given value. The slide is recalculated for every position...

`\panelposition{outsidebottom}` set a panel outside of the paper!

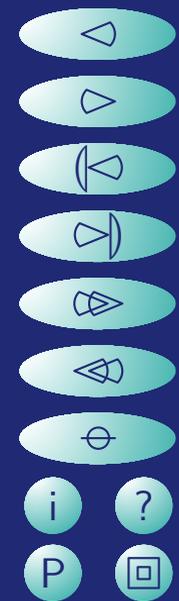
`\panelposition{empty}` set no panel which is in practice useful with `\pagestyle{empty}` only.





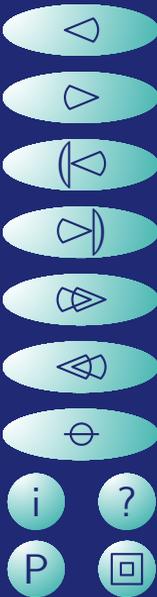
Panel on top

Panel left



Panel on bottom

Panel right



Panel outsidebottom (you cannot see it on the printed slides)!

# Buttons and logo



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If you don't like to put the buttons and the logo into the panel, you can release them with `\releaselogo` and `\releasebutton`. `\catchbutton` catches them ;-).

`\buttonsize(widthmax,heightmax)(distanceh,distancev)` gives the maximal size of the buttons (aspectratio is kept) and the distance between the buttons without length. Keep in mind that the frame and the panel is placed into a picture-environment with `\unitlength=1mm` and all positions given in *mm*.

`\freebutton(posx,posy)[h/v]` is the position of the buttons and the direction [h] for horizontal and [v] for vertical buttons. For horizontal buttons the anchor is the lower right point of the right button and for vertical buttons the point between the lowest buttons.

Use `\nobuttons` to disable buttons all over (e.g. for slides).

`\freelogo(posx,posy)[width]` the anchor for the position is the lower left point of the logo, the width should be clear.

If you think that the pagecounter is too lonely in PDF-mode switch him off with `\pagecounter[off/on]`.



useful application for this feature....

# Background

Older versions of `ifmslide.sty` provide `\pagestyle{background}` which makes objectively no sense, due to the fact that one needs a background but no panel or vice versa. The `\background{filename}` command substitute it together with the switches `\showbackground` and `\hidebackground`.

A new feature for the panel-background is:

```
\paneltile[on/off](cutllx,cutlly,cuturx,cutury){filename}
```

which is now fully experimental which means that it can change it's definition and possibilities in further versions. Presently it works only for vertical panels. It takes a picture<sup>a</sup> and fill the panel with tiles of it. It takes one tile in x-direction and so many as needed to fill in y-direction. There is still a rest which is filled by a part of the picture defined by the four cut-values...

That did not work in all cases and in PDF-mode the rest of the tile is printed outside the visible area, but it is pre-alpha so what.

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<sup>a</sup>.jpeg etc. in PDF-mode and it's EPS-version for DVI-mode (produced with some tool like xv)



# Useful commands

`\setInsideMargin{left}{right}{top}{bottom}` set the extra margins inside the frame. This is the easiest way to improve your output.



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Make own buttons and use them with `\OnButton{file}`, `\OffButton{file}` and `\DraftButton{file}`.

There is a tiny script called `genbutton` coming with `ifmslide.sty` which can be used to change the color of the standard buttons (`button1..`) and write new buttons.



# Hints

The file `ifmslide.cfg` can be changed to set up global or local values such as colors, the logo, backgrounds, sizes, the `baseurl` of your company, buttons, margins ... without changing `ifmslide.sty` itself.



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Make use of `\setslidlength{somelength}{somesize}`, `\semcm` and `\semin` as described in `seminar.sty`.



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Further information about `\step`, `\pause`, `\href`, slides and other stuff can be found in the manuals for the packages `texpower` [1], `hyperref` [2] and `seminar`.

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<sup>a</sup>`epstopdf` is a good tool to convert eps and the `graphicx` package knows many formats...

<sup>b</sup>file is the filename without suffix



# References

- [1] `texpower`-Package: *Stephan Lehmke*, ([Stephan.Lehmke@cs.uni-dortmund.de](mailto:Stephan.Lehmke@cs.uni-dortmund.de)), [University of Dortmund](#) or CTAN in the future.
- [2] `hyperref`-Package: *Sebastian Rahtz*, [www.tug.org](http://www.tug.org)
- [3] `pdfslide.sty`: *C. V. Radhakrishnan*, ([cvr@river-valley.com](mailto:cvr@river-valley.com)), [CTAN-archive](#).