TU Darmstadt – Institute of Mechanics – AG4[a]

http://www.mechanik.tu-darmstadt.de/

ifmslide.sty v0.47, 2010

FINAL RELEASE!

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

[a] This is long ago and I am no member of the institute anymore, see further notes …

Thomas Emmel

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Note: This is the end!

Yes, it (`ifmslide.sty`) has ended and it was - hopefully - a very helpful package for all of you. I decided to stop this since the `beamer`-class is now much better than it was when I started this package. Indeed, the beamer-class hasn't really existed at this time. Today, it provides more features, more extensions, although it is a bit more complex to learn.

Time has gone and even the insitute doesn't exist anymore! Yes, that's sad but true and has to do a lot with politics, although you can still study mechanics in Darmstadt, have a look at the web-page.

Thank you all for the feedback, I will still maintain `ticket.sty`...

About ifmslide.sty

Early in May 2000 ...

OK! Cancel this annoying story about my problems generating printouts for my presentations.

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 PDFLaTeX and printouts with LaTeX and - as a side effect - simple production of your slides using your favorite DVI-viewer.[a] 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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[a]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.
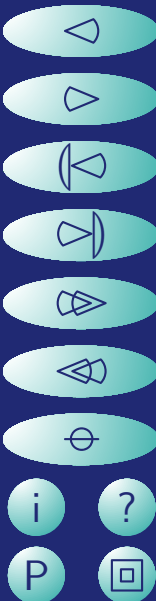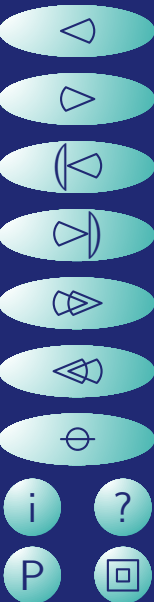
Features

... produces DVI (L^AT_EX) for printouts and PDF (PDFL^AT_EX) for direct presentation.
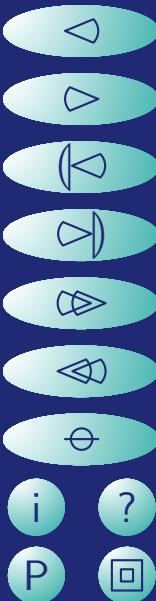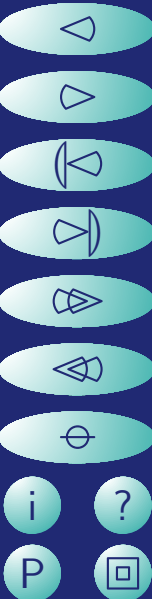
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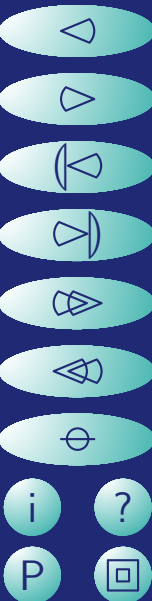
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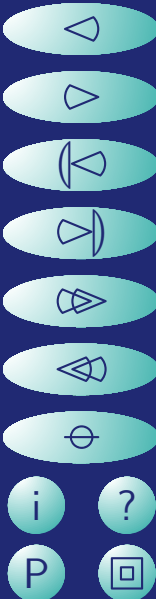
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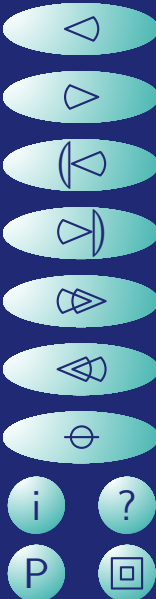... direct use of bookmarks to navigate in the PDF-version.

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ifm

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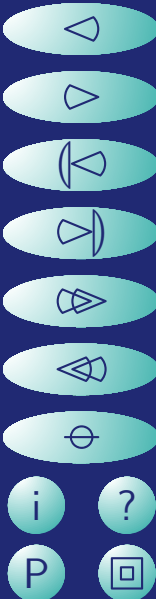... local or global configuration file ifmslide.cfg for colors and many features.

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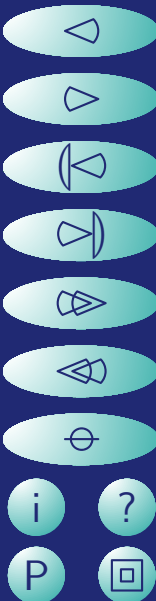
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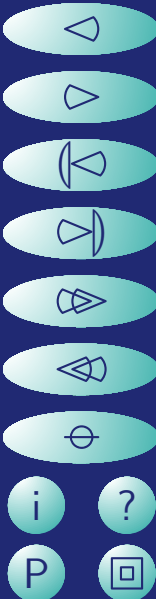... position of the buttons and the logo is completely free!

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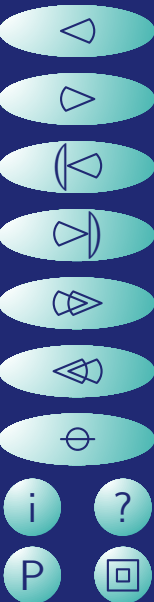... free choice of button-design, background for the panel and the frame...

... you can use most of the features of the seminar-package: magnification etc.
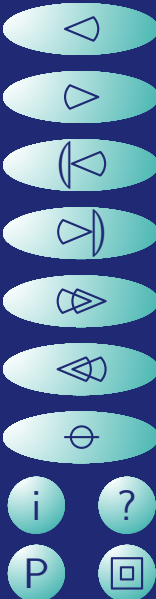
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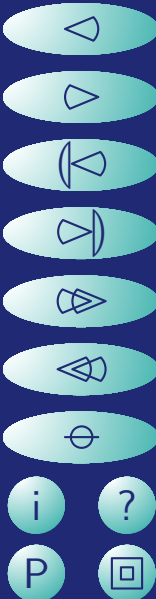T_EXPower-option: all effects are turned off if not set!

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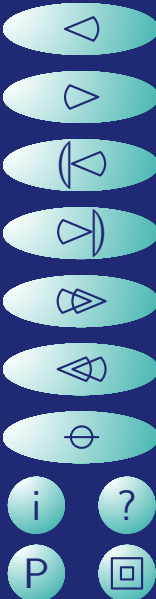turn the navigation buttons on and sets the style. Just try it...
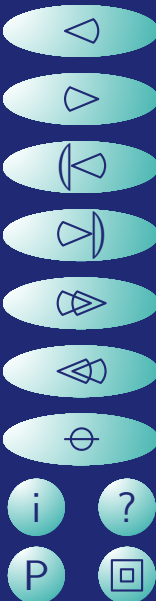
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button

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

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colorinfo from older versions will be ignored, **contnav** and **amsnav** are changed to **cnav** and **ams**
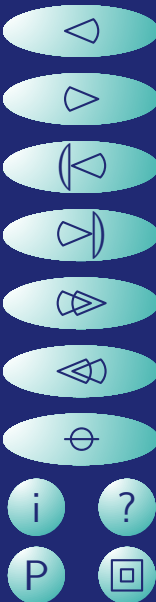
Pagestyles

sidebar, panel

Switch the navigation panel on.

plain, myheadings, headings are redefined to it.

You can put the panel at all positions with \panelposition

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pagestyle **title** is changed to **sidebar** and **background** is deleted, because of the \background-command
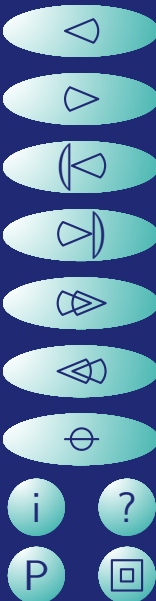
Pagestyles

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 LaTeX-mode and outside of the normal paper-size in PDFLaTeX-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!
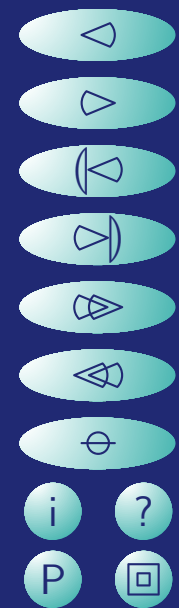
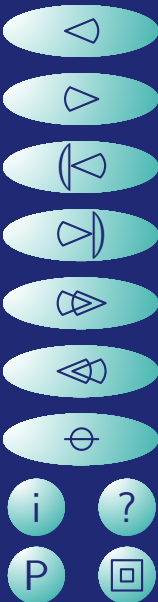\panelposition{empty} set no panel which is in practice useful with \pagestyle{empty} only.
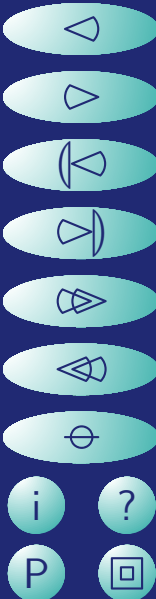
Panel on top

Panel left

Panel on bottom

Panel right

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

Buttons and logo

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(width$_{max}$,height$_{max}$)(distance$_h$,distance$_v$)] gives the maximal size of the buttons (aspect-ratio 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(pos$_x$,pos$_y$)[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(pos$_x$,pos$_y$)[width] the anchor for the position is the lower left point of the logo, the width should be clear.
If you think that the page-counter is too lonely in PDF-mode switch him off with \pagecounter[off/on].

ifm

useful application for this feature....

ifm

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](`cut$_{llx}$`,`cut$_{lly}$`,`cut$_{urx}$`,`cut$_{ury}$`){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[a] 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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[a]JPEG etc. in PDF-mode and it's EPS-version for DVI-mode (produced with some tool like *xv*)
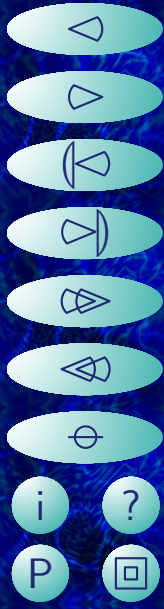
Useful commands

`\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{file1}{file2}`, `\OffButton{file1}{file2}` and `\DraftButton{file1}{file2}`.
That is, using these commands you can replace the background buttons on which the control symbols are printed in the button panel. Above, file1 and file2 are image files for the wide and small buttons, respectively[a]. There is a tiny perl-script called `genbutton` coming with `ifmslide.sty` which can be used to change the color of the standard buttons (`button1..`) and write new buttons.

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[a] text by David Cyganski, thank you David

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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Produce an EPS and a PDF-version[a] of your pictures and include them with `\includegraphics[height=5\semcm,width=4\semcm]{file}`[b]

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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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[a] `epstopdf` is a good tool to convert eps and the `graphicx` package knows many formats...

[b] file is the filename without suffix

"Bugs" /Limitations

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`\marginpar` is disabled by `seminar.cls`, there is currently no good work-around or replacement.

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\markboth, \markright, \leftmark and \rightmark are currently without any use for all page-styles, since the whole layout is connected with the page headers. I will try to provide some of these in new versions. In addition some free objects are planed, placeable everywhere on the slide ...

Required...

There were lots of email concerning questions about required packages and where to find them. In addition to `texpower`, `hyperref` and `seminar` you need (not complete):

`koma-script`
I haven't proved it, but this very useful package seems not to be included in the base-miktex distribution by default.

`url`
used by hyperref...

`graphicx`
someone complained about it :)

All packages can be found in the CTAN-archive.

References

[1] `texpower`-Package: *Stephan Lehmke*, (Stephan.Lehmke@cs.uni-dortmund.de), University of Dortmund or CTAN.

[2] `hyperref`-Package: *Sebastian Rahtz*, www.tug.org

[3] `pdfslide.sty`: *C. V. Radhakrishnan*, (cvr@river-valley.com), CTAN-archive.