

LUT course  
**Dynamic Online and Beamer Presentations in PDF**  
**using  $\LaTeX$  and  $\TeX$ Power**

Exercise sheet 1

**Exercise 1**

Start from the example file `myslides.tex` and create a ‘complicated’, hard to read slide with a lot of text and mathematics.

- a) Experiment with different options for the `tpslifonts` package.
- b) Experiment with color highlighting and emphasis commands.
- c) Experiment with different background color options for the `texpower` package.
- d) Experiment with different background styles.
- e) Modify the file `tpcolors.cfg` to find ‘optimal’ color settings for dark and light background colors.
- f) Choose two good font configurations, one ‘optimal’ dark background and one ‘optimal’ light background. This gives four combinations in total. Typeset your ‘complicated’ slide in each of them.
- g) Give these four pages to someone else to determine the order of readability. Write down the results.

**Exercise 2**

Start again from the example file `myslides.tex`. Experiment with panels.

- a) Make one ‘fancy’ and one ‘plain’ design, giving information like your name, institute (with logo), title of the talk, date, page number, navigation buttons etc. in the panels.
- b) Try to re-create your institutes ‘corporate design’.
- c) Put some picture behind the ‘main’ area of the slide, using the `eso-pic` package.
- d) Use the `fancyhdr` package to design header and footer, separated by horizontal lines. Use panels to underlay header and footer with a colored area.

**Exercise 3**

- a) Create a button to toggle `acroread`’s menu/tool bars.
- b) Create buttons for going back to the last / going forward to the next section.