

# Instructions for Creating Slides in SWP5.0<sup>1</sup>

## 1. Install Foiltex:

1. Make a directory with the name `swp50\styles\foils`
2. Make a directory with the name `swp50\text\contrib\other\foils`. The name *swp50* stands for your scientific word or workplace directory (you should use your own directory name)
3. Unpack the file `foils.zip` into this directory
4. Unpack the file `Foils - SW Foils.zip` into the directory `swp50\shells\other\documents\sw`
5. Open your scientific workplace, click new, select `other_documents / sw_foils`
6. Click on tag, select appearance then save as *cst* into the directory `swp50\styles\foils` with the name `foils.cst`. Don't panic if your scientific workplace makes some warnings!
7. Close your scientific workplace
8. Start it again
9. Select new, other documents sw foils. You can edit the file
10. Before previewing select typeset, expert settings, truetex (instead of truetex multilingual)

## 2. Install Texpower (dynamic slides)

1. Download texpower package from <http://www.ctan.org/tex-archive/help/Catalogue/entries/texpower.html>
2. Unzip it into `swp50\text\contrib\other\texpower`
3. Read the 01install.txt in the texpower package before installation. Use TrueTex Formatter outside SWP to run  
tpbundle.ins,  
texpower.dtx,  
powersem.dtx  
tplists.dtx

in order. These files are contained the texpower folder. For details of how to run files in TrueTex Formatter, refer to the online guide to add package:

[www.mackichan.com/techtalk/421.htm](http://www.mackichan.com/techtalk/421.htm).

4. Add

```
\usepackage[display]{texpower}
\usepackage{tplists}
```

into the preamble of the slide file you plan to use texpower.

5. Use Tex Field `\pause` to generate dynamic effect.
6. Use truetex to preview

## 3. Adding Color to Slide Files in Foiltex & Texpower:

### (a) Global Color Setting

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<sup>1</sup> This note is written by assembling various sources of instructions online for making slides and files Dirk kindly forwarded to me. Personal use only.

1. Add the color package to your document. Add following command in preamble.

```
\usepackage{color}
```

2. Set background color by adding command

```
\pagecolor [model]{specification}
```

where *model* is *rgb* (red green and blue), *cmyk* (cyan, magenta, yellow, black), *gray*, or *named*, and *specification* is the color you want, defined according to the specified model.

3. Set text color by adding command in preamble

```
\color [model]{specification}
```

For example, you can set white text with blue background by:

```
\pagecolor[rgb]{0.25,0.10,0.70}  
\color{white}
```

### **(b) Local Color Setting**

1. Add the color package to your document. Add following command in preamble.

```
\usepackage{color}
```

2. Place the insertion point at the beginning of the environment whose background you want to produce in color.
3. Enter an encapsulated TeX field.
4. In the entry area, type `\color[model]{specification}` where *model* is *rgb* (red green and blue), *cmyk* (cyan, magenta, yellow, black), *gray*, or *named*, and *specification* is the color you want, defined according to the specified model.
5. Choose OK.

### **More about color options<sup>2</sup>**

Colors are specified either by a defined name, or by the form

```
[model] {specs}
```

where *model* is one of *rgb* (red, green, blue), *cmyk* (cyan, magenta, yellow, black), *gray*, or *named*. The *specs* is a list of numbers from 0 to 1 giving the strengths of the components in the model. Thus `[rgb] {1, 0, 0}` defines red, `[cmyk] {0, 0, 1, 0}` yellow.

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<sup>2</sup> The following documentation is an instruction that can be found online.

The gray model takes only one number. The named model accesses colors by internal names that were originally built into the dvips driver, but which may now be used by some other drivers too. This model is described in Section.

A color can be defined with

```
\definecolor {name} {model} {specs}
```

and then the *name* may be used in all the following color commands. Certain colors are automatically predefined for all drivers: red, green, blue, yellow, cyan, magenta, black, white.

In the following color commands, *col\_spec* is either the name of a defined color, like {blue}, or [*model*]{*spec*}, like [rgb]{0,1,0}.

**\pagecolor *col\_spec***

sets the background color for the current and following pages;

**\color *col\_spec***

is a declaration to switch to setting text in the given color;

**\textcolor *col\_spec* {*text*}**

sets the text of its argument in the given color;

**\colorbox *col\_spec* {*text*}**

sets its argument in a box with the given color as background;

**\fcolorbox *col\_spec1**col\_spec2* {*text*}**

is like \colorbox, with a frame of *col\_spec1* around a box of background color *col\_spec2*; the two specifications must either both be defined ones, or both use the same model, which is given only once; for example,

\fcolorbox{red}{green}{Text} sets 'Text' in the current text color on a green background with a red frame;

**\normalcolor**

switches to the color that was active at the end of the preamble. Thus placing a \color command in the preamble can change the standard color for the whole document. This is the equivalent to \normalfont for font selection.

Sample Choices:

Choice 1:

```
\pagecolor[rgb]{0.25,0.10,0.70}  
\color{white}
```

Choice 2:

```
\pagecolor[rgb]{0.2,0.55,0.55}  
\color{white}
```

Choice 3:

```
\pagecolor[] {0.2,0.55,0.55}  
\color{white}
```

#### **4. Install Beamer:**

1. Install Miktex, see [www.ctan.org](http://www.ctan.org) for details.
2. From `swp50\tcilex\tex\latex\SWmacros`, copy `tcilatex.tex` file to `c:\texmf\tex`
3. Open Miktex package options, and refresh.
4. Download beamer package from <https://sourceforge.net/projects/latex-beamer/>
5. Also download the pgf package and x-color package.
6. Unzip them into `swp50\tcitex\tex\latex\contrib\other`
7. Specify the typeset expert setting in SWP to use Miktex and DVIPS in SWP. See the manual online: <http://swp.yngve.com/technical/miktex02.html>.
8. Open beamer sample file in SWP, and use miktex or yap to compile and preview files.

You can follow similar steps as installing foiltex to create .cst file and shell files.