

ConTeXt

Presentation Environment 15

category: ConTeXt Style File

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This is one of the styles I made for the presentation on the NTS project at EuroT_EX 1998. You need balls to let T_EX typeset graphics, but this style demonstrates that it can be done.

This presentation is meant for presentations that build up an idea stepwise.

```
\TitlePage{Do you know \TEX ?}

\StartIdea
  \StartItem We use \TEX\ for typesetting      \unknown \StopItem
  \StartItem mathematical text                \unknown \StopItem
  \StartItem but also for text that has no math \unknown \StopItem
  \StartItem or presentations like this        \unknown \StopItem
  \StartItem and whatever you can come up with! \StopItem
\StopIdea
```

The basic layout is rather simple and used as much of the screen as possible.

```
1 \setuppapersize
   [S6] [S6]

2 \setuplayout
   [backspace=25pt,
    topspace=25pt,
    width=middle,
    height=middle,
    header=0pt,
    footer=0pt]

3 \setupinteraction
   [state=start,
    display=new,
    color=LineColor,
    contrastcolor=LineColor,
    click=no]

4 \setupinteractionscreen
   [option=max]

5 \startmode[asintended] \setupbodyfont[lbr] \stopmode

6 \setupbodyfont[14.4pt]
```

We use a lot of color. You can remap them if you want differend ones. The ideas circulate over the colors.

```
7 \setupcolors
   [state=start]

8 \definecolor[TextColor] [s=.8]
  \definecolor[PageColor] [s=.6]
  \definecolor[LineColor] [s=.4]

9 \definecolor[red] [r=.4]      \definecolor[cyan] [g=.4,b=.4]
  \definecolor[green] [g=.4]   \definecolor[magenta] [r=.4,b=.4]
  \definecolor[blue] [b=.4]    \definecolor[yellow] [r=.4,g=.4]
```

```

10 \definecolor [linecolor 1] [red] \definecolor [linecolor 5] [cyan]
\definecolor [linecolor 2] [green] \definecolor [linecolor 6] [magenta]
\definecolor [linecolor 3] [blue] \definecolor [linecolor 4] [yellow]

```

We use variables to make sure that the graphics are reused but unique.

```

11 \setupMPvariables [pageframe] [pagecolor=PageColor,linecolor=LineColor]
\setupMPvariables [textframe] [textcolor=TextColor,linecolor=LineColor]

```

```

12 \setupbackgrounds
[page]
[background={pageframe,nextpage}]

```

```

13 \defineoverlay [pageframe] [\uniqueMPgraphic{pageframe}]
\defineoverlay [textframe] [\uniqueMPgraphic{textframe}]
\defineoverlay [nextpage] [\overlaybutton{forward}]

```

```

14 \startuniqueMPgraphic{pageframe}{pagecolor,linecolor}
path p ; p := fullsquare xyscaled (\overlaywidth,\overlayheight) ;
pickup pencircle scaled 10pt ;
fill p withcolor \MPvar{pagecolor} ;
draw p withcolor \MPvar{linecolor} ;
\stopuniqueMPgraphic

```

```

15 \startuniqueMPgraphic{textframe}{textcolor,linecolor}
path p ; p := fullcircle xyscaled (\overlaywidth,\overlayheight) ;
pickup pencircle scaled 10pt ;
fill p withcolor \MPvar{textcolor} ;
draw p withcolor \MPvar{linecolor} ;
\stopuniqueMPgraphic

```

The rest of the file implements the nasty part: typesetting text embedded in a graphic. The text is collected in a box so that we can reuse it.

```

16 \newbox\CollectedIdeas
\newcounter\CurrentTopic

```

```

17 \def\StartItem%
{\setbox\CollectedIdeas=\hbox\bgroup
\ifdim\wd\CollectedIdeas>0pt \unhbox\CollectedIdeas\hskip25pt \fi
\setbox\scratchbox=\hbox\bgroup
\framed
[width=160pt,height=160pt,align=middle,frame=off,
background=textframe,offset=15pt,top=\vfill,bottom=\vfill]
\bgroup}

```

```

18 \def\StopItem%
{\egroup
\egroup
\setbox\scratchbox=\hbox{\lower.5\ht\scratchbox\box\scratchbox}%
\ht\scratchbox=.5\ht\scratchbox
\dp\scratchbox=\ht\scratchbox
\box\scratchbox
\egroup
\startstandardmakeup
\dontcomplain

```

```

    \leftskip      0pt plus 50pt
    \rightskip     0pt plus 50pt
    \parfillskip   0pt
    \baselineskip 100pt
    \unhcopy\CollectedIdeas
    \stopstandardmakeup}

19 \def\StartIdea%
    {\ifnum\CurrentTopic=6 \doglobal\newcounter\CurrentTopic \fi
    \doglobal\increment\CurrentTopic
    \definecolor[LineColor][linecolor \CurrentTopic]
    \setbox\CollectedIdeas=\null}

20 \def\StopIdea%
    {}

21 \def\StartTitlePage%
    {\startstandardmakeup
    \setupalign[middle]
    \def\{\vfil\bf}\setupinterlinespace}
    \bfd\setupinterlinespace
    \vfil}

22 \def\StopTitlePage%
    {\vfil\vfil
    \stopstandardmakeup}

23 \def\TitlePage#1%
    {\StartTitlePage#1\StopTitlePage}

24 \doifnotmode{demo}{\endinput}

    A simple test on functionality.

25 \setupoutput[pdfTeX]

26 \starttext

27 \TitlePage{Do you know \TEX ?}

28 \startbuffer
    \StartIdea
    \StartItem We use \TEX\ for typesetting      \unknown \StopItem
    \StartItem mathematical text                \unknown \StopItem
    \StartItem but also for text that has no math \unknown \StopItem
    \StartItem or presentations like this       \unknown \StopItem
    \StartItem and whatever you can come up with! \StopItem
    \StopIdea
    \stopbuffer

29 \dorecurse{6}{\getbuffer}

30 \stoptext

```

