

# ConTeXt

Presentation Environment 17

category: ConTeXt Style File

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```

1 \setupbodyfont
  [12pt,ss]

2 \setupcolors
  [state=start]

3 \setupsystem
  [random=medium]

4 \setupbackgrounds
  [state=repeat]

5 \setupbackgrounds
  [page]
  [background={page,forward}]

6 \setupbackgrounds
  [text][text]
  [background=blowup]

7 \setupinteraction
  [state=start,
  %click=off,
  color=TitleColor,
  contrastcolor=TitleColor]

8 \setupinteractionscreen
  [option=max]

9 \setuptolerance
  [verytolerant,stretch]

10 \definecolor [BackColor] [s=.30]
    \definecolor [PageColor] [g=1]
    \definecolor [FrameColor] [r=1]
    \definecolor [TitleColor] [y=1]
    \definecolor [ArrowColor] [b=1]

11 \defineoverlay [title] [\useMPgraphic{title}]
    \defineoverlay [page] [\useMPgraphic{page}]
    \defineoverlay [blowup] [\overlaybutton{page(\realfolio)}]
    \defineoverlay [forward] [\overlaybutton{forward}]

12 \startMPpositiongraphic{mpos:connection}
    path pa, pb, pc ; pair ca, cb ;
    initialize_box(\MPpos{\MPvar{self}}) ; pa := pxy ; ca := cxy ;
    initialize_box(\MPpos{\MPvar{prev}}) ; pb := pxy ; cb := cxy ;
    pickup pencircle scaled .5pt ;
    pa := pa enlarged 10pt ;
    pb := pb enlarged 10pt ;
    for i=1 upto 10 :
      draw pa randomized 20pt withcolor \MPcolor{FrameColor} ;
    endfor ;
    if \MPp{\MPvar{prev}}>0 :
      pair a, b, c, d ;
      for i=1 upto 25 :

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        a := .5[ulcorner pa,urcorner pa] randomized (10pt,10pt) ;
        b := .5[llcorner pb,lrcorner pb] randomized (20pt,10pt) ;
        c := .5[a,b] rotatedaround(a,-25) randomized (5pt,5pt) ;
        d := .5[a,b] rotatedaround(a,+25) randomized (5pt,5pt) ;
        draw (a--b) withcolor \MPcolor{ArrowColor} ;
        draw (d--a--c) withcolor \MPcolor{ArrowColor} ;
    endfor ;
fi ;
anchor_box(\MPanchor{\MPvar{self}}) ;
\stopMPpositiongraphic

13 \startuseMPgraphic{title}
    pickup pencircle scaled .5pt ;
    for i=1 upto 10 :
        draw
            fullsquare xyscaled(OverlayWidth,OverlayHeight)
                enlarged 10pt randomized 20pt
                withcolor \MPcolor{TitleColor} ;
    endfor ;
\stopuseMPgraphic

14 \startuseMPgraphic{page}
    StartPage ;
    pickup pencircle scaled .5pt ;
    fill Page withcolor \MPcolor{BackColor} ;
    for i=1 upto 20 :
        draw Page enlarged -50pt randomized 50pt withcolor \MPcolor{PageColor} ;
    endfor ;
    StopPage ;
\stopuseMPgraphic

15 \def\StartText%
    {\bgroup
     \getrandomdimen\scratchdimen{250pt}{350pt}%
     \edef\TextWidth{\the\scratchdimen}%
     \setbox\scratchbox=\hbox\bgroup
     \hsize\TextWidth
     \setupframedtexts
     [before=,after=,
      width=fit,align=right, % normal,
      frame=off,foregroundcolor=white]%
     \framedtext\bgroup}

16 \def\BlowX{450pt} % \def\BlowX{600pt}
    \def\BlowY{300pt} % \def\BlowY{450pt}
    \def\BlowV {50pt} % \def\BlowV{100pt}
    \def\BlowH {75pt} % \def\BlowH{100pt}
    \def\BackO {50pt} % \def\BackO {50pt}

17 \def\StopText%
    {\egroup\egroup
     \doglobal\increment\CurrentBlaBla
     \let\PrevBlaBla\CurrentBlaBla \doglobal\decrement\PrevBlaBla
     \let\NextBlaBla\CurrentBlaBla \doglobal\increment\NextBlaBla

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\setMPpositiongraphic
  {connection:\CurrentBlaBla}%
  {mppos:connection}%
  {seed=\CurrentBlaBla,
   prev=connection:\PrevBlaBla,
   next=connection:\NextBlaBla}%
\SetBlowUp{connection:\CurrentBlaBla}\BlowX\BlowY\BlowH\BlowV
\hbox to 600pt
  {\getrandomdimen\scratchdimen{50pt}{75pt}%
   \hskip0pt plus \scratchdimen minus \scratchdimen
   \hpos{connection:\CurrentBlaBla}%
   {\framed
    [frame=off,
     offset=overlay,
     backgroundoffset=\Back0,
     background=blowup]
    {\box\scratchbox}}%
   \getrandomdimen\scratchdimen{50pt}{75pt}%
   \hskip0pt plus \scratchdimen minus \scratchdimen}%
\getrandomdimen\scratchdimen{75pt}{125pt}%
\vskip\scratchdimen
\egroup}

18 \def\xStartText%
    {\bgroup
     \setbox\scratchbox=\hbox\bgroup
     \framed
      [frame=off,foregroundcolor=white]
      \bgroup}

19 \def\xStopText{\StopText}

20 \def\SetBlowUp#1#2#3#4#5% tag width height hoffset voffset
    {\scratchdimen=\MPw{#1}%
     \advance\scratchdimen-#2 %
     \divide\scratchdimen by 2
     \advance\scratchdimen by \MPx{#1}\relax
     \ifdim\scratchdimen<0pt \scratchdimen=0pt \fi
     \ScaledPointsToBigPoints{\number\scratchdimen}\TextX
     \advance\scratchdimen by #2 %
     \ScaledPointsToBigPoints{\number\scratchdimen}\TextW
     %
     \scratchdimen=\MPh{#1}%
     \advance\scratchdimen-#3 %
     \divide\scratchdimen by 2
     \advance\scratchdimen\MPy{#1}\relax
     \ifdim\scratchdimen<0pt \scratchdimen=0pt \fi
     \ScaledPointsToBigPoints{\number\scratchdimen}\TextY
     \advance\scratchdimen by #3
     \ScaledPointsToBigPoints{\number\scratchdimen}\TextH
     %
     \def\PDFpageviewkey{ \fitr \TextX\space\TextY\space\TextW\space\TextH}%
     \def\PDFpageviewwrd{ /FitR \TextX\space\TextY\space\TextW\space\TextH}%
     \edef\PDFpageview{/View [\PDFpageviewwrd]}}

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21 \def\xSetBlowUp#1#2#3#4#5% tag width height hoffset voffset
    {\scratchdimen\MPx{#1}\relax
     \ifdim\scratchdimen<#4
       \ScaledPointsToBigPoints{0}\TextX
       \multiply\scratchdimen 2
     \else
       \advance\scratchdimen-#4
       \ScaledPointsToBigPoints{\number\scratchdimen}\TextX
       \advance\scratchdimen#4
       \advance\scratchdimen#4
     \fi
     \advance\scratchdimen\MPw{#1}%
     \ScaledPointsToBigPoints{\number\scratchdimen}\TextW
     %
     \scratchdimen\MPy{#1}\relax
     \ifdim\scratchdimen<#5
       \ScaledPointsToBigPoints{0}\TextY
       \multiply\scratchdimen 2
     \else
       \advance\scratchdimen-#5
       \ScaledPointsToBigPoints{\number\scratchdimen}\TextY
       \advance\scratchdimen#5
       \advance\scratchdimen#5
     \fi
     \advance\scratchdimen\MPH{#1}%
     \ScaledPointsToBigPoints{\number\scratchdimen}\TextH
     %
     \def\PDFpageviewkey{ fitr \TextX\space\TextY\space\TextW\space\TextH}%
     \def\PDFpageviewwrd{ FitR \TextX\space\TextY\space\TextW\space\TextH}%
     \edef\PDFpageview{/View [\PDFpageviewwrd]}}

22 \dontcomplain

23 \def\StartPage#1%
    {\doStartPage{1}{#1}}

24 \def\doStartPage#1#2%
    {\def\StopPage{\doStopPage{#1}{#2}}%
     \setbox\scratchbox=\hbox\bgroup
     \valign\bgroup\ignorespaces##\vss\cr}

25 \def\doStopPage#1#2%
    {\cr
     \egroup
     \egroup
     \setbox\scratchbox=\vbox
     {\vskip100pt
      \hbox \ifcase#1 spread 200pt \else to \wd\scratchbox \fi
      {\hss
       \switchtobodyfont[big]%
       \bfd\setupinterlinespace
       \ifcase#1\else \SetBlowUp{title:\realfolio}\BlowX\BlowY\BlowH\BlowV \fi
       \hpos{title:\realfolio}
       {\framed

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        [frame=off,align=middle,
        foregroundcolor=white,
        background={title,blowup}]
        {#2}}%
    \hss}
    \vskip100pt
    \box\scratchbox}
\doFlushPage}

26 \def\doFlushPage
    {\scratchdimen=\ht\scratchbox
    \advance\scratchdimen \dp\scratchbox
    \advance\scratchdimen 100pt
    \edef\height{\the\scratchdimen}
    \scratchdimen=\wd\scratchbox
    \advance\scratchdimen 100pt
    \edef\width {\the\scratchdimen}
    \expanded{\definepapersize [MASTER] [width=\width,height=\height]}
    \setuppapersize
        [MASTER] [MASTER]
    \setuplayout
        [topspace=25pt,backspace=25pt,
        width=middle,header=0pt,footer=0pt,height=middle]
    \centerbox{\box\scratchbox}
    \page}

27 \def\StartTopic#1%
    {\unskip\unskip\cr
    \doglobal\increment(\CurrentBlaBla,100)%
    \vbox\bgroup
    \vskip100pt
    \bgroup
    \definecolor [FrameColor] [TitleColor]
    \switchtobodyfont [big]
    \bfd\setupinterlinespace
    \xStartText#1\xStopText
    \vskip25pt
    \egroup}

28 \def\StopTopic%
    {\vskip-\lastskip
    \vskip100pt
    \egroup
    \ignorespaces}

29 \def\TitlePage#1%
    {\doStartPage{0}{\def\\{\vskip1ex\bfc\def\\{\vskip1ex\bfb}}#1}
    \StopPage}

30 \doifnotmode{demo}{\endinput}

```

## Presentation Environment 17

```
31 \setupoutput[pdfTeX]
32 \starttext
33 \TitlePage{About Text\\Today's Talk\\Hans Hagen}
34 \StartPage{The First Page}
35 \StartTopic{Some Text}
   \StartText \input tufte \StopText
   \StartText \input knuth \StopText
   \StartText \input zapf \StopText
   \StartText \input knuth \StopText
   \StopTopic
36 \StartTopic{Another Text}
   \StartText \input tufte \StopText
   \StartText \input zapf \StopText
   \StartText \input knuth \StopText
   \StopTopic
37 \StartTopic{Some More Text}
   \StartText \input tufte \StopText
   \StartText \input knuth \StopText
   \StartText \input zapf \StopText
   \StartText \input tufte \StopText
   \StopTopic
38 \StartTopic{Some Text Again}
   \StartText \input tufte \StopText
   \StartText \input zapf \StopText
   \StartText \input knuth \StopText
   \StartText \input tufte \StopText
   \StopTopic
39 \StopPage
40 \StartPage{The Second Page}
41 \StartTopic{Some Text}
   \StartText \input tufte \StopText
   \StartText \input knuth \StopText
   \StartText \input zapf \StopText
   \StartText \input tufte \StopText
   \StartText \input knuth \StopText
   \StartText \input zapf \StopText
   \StopTopic
42 \StartTopic{Another Text}
   \StartText \input tufte \StopText
   \StartText \input knuth \StopText
   \StartText \input zapf \StopText
   \StopTopic
```



```

43 \StartTopic{Some Nice Text}
    \StartText \input tufte \StopText
    \StartText \input knuth \StopText
    \StartText \input zapf \StopText
    \StartText \input tufte \StopText
    \StartText \input tufte \StopText
    \StopTopic

44 \StartTopic{Some Funny Text}
    \StartText \input tufte \StopText
    \StartText \input knuth \StopText
    \StopTopic

45 \StartTopic{Quite Some Text}
    \StartText \input tufte \StopText
    \StartText \input knuth \StopText
    \StartText \input zapf \StopText
    \StartText \input tufte \StopText
    \StartText \input knuth \StopText
    \StartText \input zapf \StopText
    \StartText \input tufte \StopText
    \StartText \input knuth \StopText
    \StartText \input zapf \StopText
    \StopTopic

46 \StartTopic{Even More Text}
    \StartText \input knuth \StopText
    \StartText \input zapf \StopText
    \StartText \input tufte \StopText
    \StartText \input knuth \StopText
    \StartText \input zapf \StopText
    \StopTopic

47 \StopPage

48 \StartPage{The Third Page}

49 \StartTopic{Some Short Text}
    \StartText \input tufte \StopText
    \StartText \input knuth \StopText
    \StartText \input zapf \StopText
    \StopTopic

50 \StartTopic{Some Minimal Text}
    \StartText \input tufte \StopText
    \StartText \input zapf \StopText
    \StopTopic

51 \StartTopic{Some More Text}
    \StartText \input tufte \StopText
    \StartText \input knuth \StopText
    \StartText \input zapf \StopText
    \StartText \input tufte \StopText
    \StartText \input tufte \StopText
    \StopTopic

```

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52 \StopPage

53 \stoptext