# Creating slide presentations
# with
# gropdf and mom

# PDF slides

PDF slides are a subset of mom's document processing macros formatted for presentation mode when viewed in a PDF reader. In most respects, they behave identically to the default document type described in mom's html documentation. Differences in the formatting include:

# PDF slides

PDF slides are a subset of mom's document processing macros formatted for presentation mode when viewed in a PDF reader. In most respects, they behave identically to the default document type described in mom's html documentation. Differences in the formatting include:

- the choice between two aspect ratios, 4:3 or 16:9
  - ☞ both fit on A4 or US letter paper sizes when printed

# PDF slides

PDF slides are a subset of mom's document processing macros formatted for presentation mode when viewed in a PDF reader. In most respects, they behave identically to the default document type described in mom's html documentation. Differences in the formatting include:

- the choice between two aspect ratios, 4:3 or 16:9
  - ☞ both fit on A4 or US letter paper sizes when printed
- type is set centered by default
  - ☞ this may be changed to left, right, or justified

# PDF slides

PDF slides are a subset of mom's document processing macros formatted for presentation mode when viewed in a PDF reader. In most respects, they behave identically to the default document type described in mom's html documentation. Differences in the formatting include:

- the choice between two aspect ratios, 4:3 or 16:9
  - ☞ both fit on A4 or US letter paper sizes when printed
- type is set centered by default
  - ☞ this may be changed to left, right, or justified
- headers and/or footers must be explicitly instantiated
  - ☞ the left, centre, and right parts must be supplied by the user

# PDF slides

PDF slides are a subset of mom's document processing macros formatted for presentation mode when viewed in a PDF reader. In most respects, they behave identically to the default document type described in mom's html documentation. Differences in the formatting include:

- the choice between two aspect ratios, 4:3 or 16:9
  - ☞ both fit on A4 or US letter paper sizes when printed
- type is set centered by default
  - ☞ this may be changed to left, right, or justified
- headers and/or footers must be explicitly instantiated
  - ☞ the left, centre, and right parts must be supplied by the user
- slide numbering (pagination) is disabled
  - ☞ if slide numbering is desired, it must be put in the left, centre, or right part of a header or footer definition

# Pauses and transitions

Slides made with mom take advantage of the pause and slide transition features provided in presentation mode by most contemporary PDF readers.

# Pauses and transitions

Slides made with mom take advantage of the pause and slide transition features provided in presentation mode by most contemporary PDF readers.

Pauses and transitions are dynamic and engaging, holding the viewer's attention while increasing the impact of the content.

# Pauses and transitions

Slides made with mom take advantage of the pause and slide transition features provided in presentation mode by most contemporary PDF readers.

Pauses and transitions are dynamic and engaging, holding the viewer's attention while increasing the impact of the content.

With pauses, material on a slide can be revealed progressively with a mouse click or by hitting

- Next
- PgDown
- Spacebar

# Pauses and transitions

Slides made with mom take advantage of the pause and slide transition features provided in presentation mode by most contemporary PDF readers.

Pauses and transitions are dynamic and engaging, holding the viewer's attention while increasing the impact of the content.

With pauses, material on a slide can be revealed progressively with a mouse click or by hitting

- Next
- PgDown
- Spacebar

The manner in which new material is revealed and new slides are displayed can be tailored separately for effects like Fade, Dissolve, Wipe and others, and can be changed on the fly.

Mom slides begin with the macro DOCTYPE SLIDES, where you choose the aspect ratio and transition effects, and set up headers and footers.

Mom slides begin with the macro DOCTYPE SLIDES, where you choose the aspect ratio and transition effects, and set up headers and footers.

You may find it convenient to provide a title for the slide presentation, as the top of the .mom file for these slides demonstrates:

```
.TITLE "Creating slide presentations with gropdf/mom"
.PDF_TITLE "\*[$TITLE]"
.\"
.DOCTYPE SLIDES \
 ASPECT 16:9 \
 HEADER "Header left" "\*[$TITLE]" "Header right" \
 FOOTER "" "" "\*S[+2]\*[SLIDE#]\*S[-2]" \
 TRANSITION "Box 1 . 0" \
 PAUSE "Wipe 1"
```

Mom slides begin with the macro DOCTYPE SLIDES, where you choose the aspect ratio and transition effects, and set up headers and footers.

You may find it convenient to provide a title for the slide presentation, as the top of the .mom file for these slides demonstrates:

```
.TITLE "Creating slide presentations with gropdf/mom"
.PDF_TITLE "\*[$TITLE]"
.\"
.DOCTYPE SLIDES \
 ASPECT 16:9 \
 HEADER "Header left" "\*[$TITLE]" "Header right" \
 FOOTER "" "" "\*S[+2]\*[SLIDE#]\*S[-2]" \
 TRANSITION "Box 1 . 0" \
 PAUSE "Wipe 1"
```

Afterwards, you may make any changes you like to the layout and style, then enter START. Unlike other mom documents, PRINTSTYLE is not required.

# The PAUSE and NEWSLIDE macros

Whenever you want a pause before revealing the next material on a slide, enter the macro PAUSE on a line by itself. If you want a reveal effect that's different from the current one, you may pass PAUSE the parameters of the new effect:

# The PAUSE and NEWSLIDE macros

Whenever you want a pause before revealing the next material on a slide, enter the macro PAUSE on a line by itself. If you want a reveal effect that's different from the current one, you may pass PAUSE the parameters of the new effect:

```
.PAUSE "Dissolve .4"
```

# The PAUSE and NEWSLIDE macros

Whenever you want a pause before revealing the next material on a slide, enter the macro PAUSE on a line by itself. If you want a reveal effect that's different from the current one, you may pass PAUSE the parameters of the new effect:

```
.PAUSE "Dissolve .4"
```

Notice that this material dissolves in, whereas before, new material appeared from left to right. The new effect stays in force until you change it again.

# The PAUSE and NEWSLIDE macros

Whenever you want a pause before revealing the next material on a slide, enter the macro PAUSE on a line by itself. If you want a reveal effect that's different from the current one, you may pass PAUSE the parameters of the new effect:

```
.PAUSE "Dissolve .4"
```

Notice that this material dissolves in, whereas before, new material appeared from left to right. The new effect stays in force until you change it again.

New slides are introduced with NEWSLIDE. Transition effects and parameters may be given to NEWSLIDE:

```
.NEWSLIDE "Blinds .5"
```

# The PAUSE and NEWSLIDE macros

Whenever you want a pause before revealing the next material on a slide, enter the macro PAUSE on a line by itself. If you want a reveal effect that's different from the current one, you may pass PAUSE the parameters of the new effect:

```
.PAUSE "Dissolve .4"
```

Notice that this material dissolves in, whereas before, new material appeared from left to right. The new effect stays in force until you change it again.

New slides are introduced with NEWSLIDE. Transition effects and parameters may be given to NEWSLIDE:

```
.NEWSLIDE "Blinds .5"
```

The next slide in this presentation will appear with the Blinds effect.
Consult man gropdf(1) for all the pause/transition effects and their parameters.*

**Note that not all PDF viewers support every effect.*

# Highlighting items

The BOX macro lets you highlight items as they are revealed with frames and shaded backgrounds.

# Highlighting items

The BOX macro lets you highlight items as they are revealed with frames and shaded backgrounds.

This item is highlighted with a shaded background.

# Highlighting items

The BOX macro lets you highlight items as they are revealed with frames and shaded backgrounds.

This item is highlighted with a shaded background.

The highlight moves to each new item as it’s revealed.

# Highlighting items

The BOX macro lets you highlight items as they are revealed with frames and shaded backgrounds.

This item is highlighted with a shaded background.

The highlight moves to each new item as it’s revealed.

Highlighting can continue for as many slides as you want.

# Highlighting items

The BOX macro lets you highlight items as they are revealed with frames and shaded backgrounds.

This item is highlighted with a shaded background.

The highlight moves to each new item as it’s revealed.

Highlighting can continue for as many slides as you want.

If there are no pauses on a slide, BOX can be used to provide a background for all the items.

# Highlighting items

The BOX macro lets you highlight items as they are revealed with frames and shaded backgrounds.

This item is highlighted with a shaded background.

The highlight moves to each new item as it’s revealed.

Highlighting can continue for as many slides as you want.

If there are no pauses on a slide, BOX can be used to provide a background for all the items.

The SLIDE_COLOR macro lets you colour the whole slide (q.v.).

# Macros and preprocessors

Slides can make full use of all mom’s document processing and typesetting macros, including preprocessors and image insertion.

# Macros and preprocessors

Slides can make full use of all mom’s document processing and typesetting macros, including preprocessors and image insertion.

**tbl**

| Year | Mean Temp. |
|---|---|
| 2015 | 28.3 |
| 1998 | 28.3 |
| 1997 | 28.3 |
| 2010 | 28.1 |
| 2002 | 28.1 |
| 2005 | 28.0 |
| 2014 | 27.9 |
| 2009 | 27.9 |

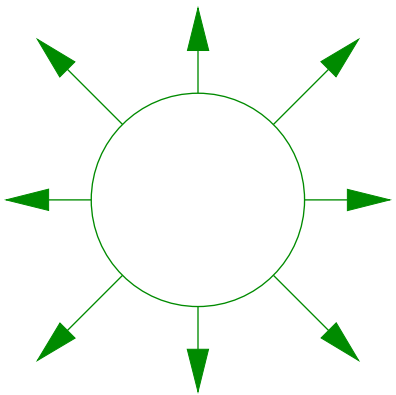
# Macros and preprocessors

Slides can make full use of all mom's document processing and typesetting macros, including preprocessors and image insertion.

**tbl**

| Year | Mean Temp. |
|---|---|
| 2015 | 28.3 |
| 1998 | 28.3 |
| 1997 | 28.3 |
| 2010 | 28.1 |
| 2002 | 28.1 |
| 2005 | 28.0 |
| 2014 | 27.9 |
| 2009 | 27.9 |

**pic**



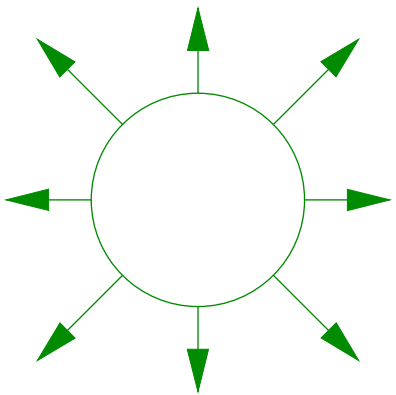
# Macros and preprocessors

Slides can make full use of all mom's document processing and typesetting macros, including preprocessors and image insertion.

**tbl**

| Year | Mean Temp. |
|---|---|
| 2015 | 28.3 |
| 1998 | 28.3 |
| 1997 | 28.3 |
| 2010 | 28.1 |
| 2002 | 28.1 |
| 2005 | 28.0 |
| 2014 | 27.9 |
| 2009 | 27.9 |

**pic**



**eqn**

$$f_X(x) = \begin{cases} 0 & x < 0 \\ 2x & 0 \le x \le 1 \\ 0 & x > 1 \end{cases}$$

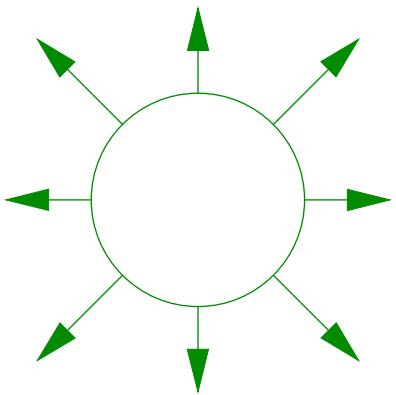
# Macros and preprocessors

Slides can make full use of all mom's document processing and typesetting macros, including preprocessors and image insertion.

**tbl**

| Year | Mean Temp. |
|---|---|
| 2015 | 28.3 |
| 1998 | 28.3 |
| 1997 | 28.3 |
| 2010 | 28.1 |
| 2002 | 28.1 |
| 2005 | 28.0 |
| 2014 | 27.9 |
| 2009 | 27.9 |

**pic**



**eqn**

$$f_X(x) = \begin{cases} 0 & x < 0 \\ 2x & 0 \le x \le 1 \\ 0 & x > 1 \end{cases}$$

**pdf image**

# Printing handouts

Because slides contain pauses, they need a little help on their way to the printer or they stop printing at the first pause.

# Printing handouts

Because slides contain pauses, they need a little help on their way to the printer or they stop printing at the first pause.

Setting GROPDF_NOSLIDE=1 before invoking '**pdfmom**' or '**groff -Tpdf**' disables the pauses:

```
GROPDF_NOSLIDE=1 pdfmom <options> slide-file.mom
```

# Printing handouts

Because slides contain pauses, they need a little help on their way to the printer or they stop printing at the first pause.

Setting GROPDF_NOSLIDE=1 before invoking '**pdfmom**' or '**groff -Tpdf**' disables the pauses:

```
GROPDF_NOSLIDE=1 pdfmom <options> slide-file.mom
```

The output may be piped directly to a printer or saved to a file.

# Printing handouts

Because slides contain pauses, they need a little help on their way to the printer or they stop printing at the first pause.

Setting GROPDF_NOSLIDE=1 before invoking '**pdfmom**' or '**groff -Tpdf**' disables the pauses:

```
GROPDF_NOSLIDE=1 pdfmom <options> slide-file.mom
```

The output may be piped directly to a printer or saved to a file.

See mom's html documentation and the gropdf(1) manpage for complete information concerning slide usage.