LaTeX and Acrobat Reader
for Presentations

Hit Return/Enter/PageDown to go on.

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Nowadays special programs like PowerPoint or MagicPoint are used for presentations.

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LATEX and Acrobat Reader for Presentations

Nowadays special programs like PowerPoint or MagicPoint are used for presentations.
But with some extras also TEX/LATEX can be used to prepare presentations, which catch the eyes of the audience.

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LATEX and Acrobat Reader
for Presentations

Nowadays special programs like PowerPoint or MagicPoint are used for presentations.

But with some extras also TEX/LATEX can be used to prepare presentations, which catch the eyes of the audience.

This document is an example how to use the FullScreen mode of Acrobat Reader for a presentation.

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What can you expect?

- First one expects to build itemized lists

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- First one expects to build itemized lists
  - ★ which can be nested

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  - ⋆ which can be nested
  - ⋆ and use different symbols
    - ∗ even this deep

What can you expect?

- First one expects to build itemized lists

  ⋆ which can be nested
  ⋆ and use different symbols
    ∗ even this deep
  ⋆ back again

What can you expect?

- First one expects to build itemized lists

  ⋆ which can be nested
  ⋆ and use different symbols
    ∗ even this deep
  ⋆ back again

- and the end of this list

If you like it, you can use other background

- You have seen a one color background before.

- This page has a gradient like background (expect strange results on displays which cannot use TrueColor).

- Page transitions need not only be immediate...

More background info

...if you like such things.

- Background gradients can also go horizontal.

More background info

...if you like such things.

- Background gradients can also go horizontal.

- More examples of strange color ranges are omitted here.

What is better than with PowerPoint etc.?

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Scientific presentations are in need of formula displays in many cases.

But the "industry standard" presentation tools do not help with these very much.

But if you prepare your presentation with LaTeX, formulas are no problem at all:

$$\sum_{i=0}^{\infty} a_i \cdot x^i$$

Go through longer calculations...

$$H(s) \; = \; \int_{-\infty}^{+\infty} h(t) e^{2\pi i s t} dt$$

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$$= \int_{-\infty}^{+\infty} \left\{ \int_{-\infty}^{+\infty} f(\xi) \cdot g(t - \xi) d\xi \right\} e^{2\pi i s t} dt$$

Go through longer calculations...

$$H(s) = \int_{-\infty}^{+\infty} h(t)e^{2\pi ist}dt$$

$$= \int_{-\infty}^{+\infty} \left\{ \int_{-\infty}^{+\infty} f(\xi) \cdot g(t-\xi)d\xi \right\} e^{2\pi ist}dt$$

$$= \int_{-\infty}^{+\infty} f(\xi) \left\{ \int_{-\infty}^{+\infty} g(t-\xi) \cdot e^{2\pi is(t-\xi)}dt \right\} \cdot e^{2\pi is\xi}d\xi$$

Go through longer calculations...

$$
\begin{aligned}
H(s) \; &= \; \int_{-\infty}^{+\infty} h(t) e^{2\pi i s t} dt \\[2mm]
&= \; \int_{-\infty}^{+\infty} \left\{ \int_{-\infty}^{+\infty} f(\xi) \cdot g(t - \xi) d\xi \right\} e^{2\pi i s t} dt \\[2mm]
&= \; \int_{-\infty}^{+\infty} f(\xi) \left\{ \int_{-\infty}^{+\infty} g(t - \xi) \cdot e^{2\pi i s (t-\xi)} dt \right\} \cdot e^{2\pi i s \xi} d\xi \\[2mm]
&= \; \int_{-\infty}^{+\infty} f(\xi) G(s) e^{2\pi i s \xi} d\xi
\end{aligned}
$$

Go through longer calculations...

$$H(s) = \int_{-\infty}^{+\infty} h(t)e^{2\pi ist}dt$$

$$= \int_{-\infty}^{+\infty} \left\{ \int_{-\infty}^{+\infty} f(\xi) \cdot g(t-\xi)d\xi \right\} e^{2\pi ist}dt$$

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$$= \int_{-\infty}^{+\infty} f(\xi)G(s)e^{2\pi is\xi}d\xi$$

$$= G(s) \cdot \int_{-\infty}^{+\infty} f(\xi)e^{2\pi is\xi}d\xi$$

Go through longer calculations...

$$\begin{aligned}
H(s) &= \int_{-\infty}^{+\infty} h(t)e^{2\pi ist}dt \\
&= \int_{-\infty}^{+\infty} \left\{ \int_{-\infty}^{+\infty} f(\xi) \cdot g(t-\xi)d\xi \right\} e^{2\pi ist}dt \\
&= \int_{-\infty}^{+\infty} f(\xi) \left\{ \int_{-\infty}^{+\infty} g(t-\xi) \cdot e^{2\pi is(t-\xi)}dt \right\} \cdot e^{2\pi is\xi}d\xi \\
&= \int_{-\infty}^{+\infty} f(\xi)G(s)e^{2\pi is\xi}d\xi \\
&= G(s) \cdot \int_{-\infty}^{+\infty} f(\xi)e^{2\pi is\xi}d\xi = G(s) \cdot F(s)
\end{aligned}$$

Links

It is easy to skip within a presentation, if you want to make a side discussion or if you have to skip material. These skips may go forward or backward. If you click the highlighted word „skip" above, you are transferred to another page of this document. Find the word „Back" on that page and click it to come back here.

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If your Acrobat Reader is configured that way, you can also link into a web browser. Try to go to the WWW page of PPower4 by clicking here.

Pictures

Of course you can include pictures or diagrams and show them one by one

Pictures

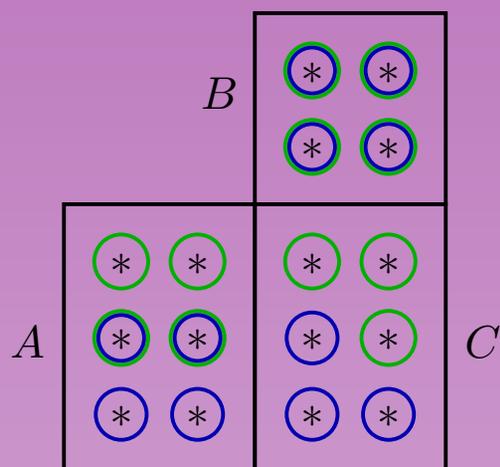Of course you can include pictures or diagrams and show them one by one, even mixed with text.
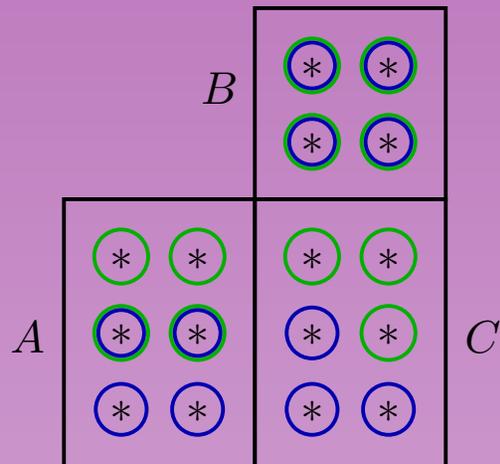
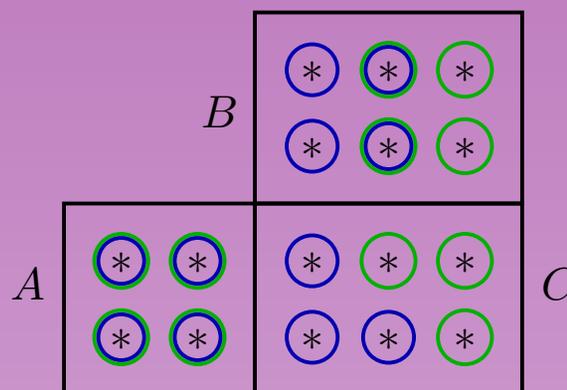using algorithm A_1

using algorithm A_2

Pictures

Of course you can include pictures or diagrams and show them one by one, even mixed with text.

using algorithm A_1

using algorithm A_2

using algorithm A_1

using algorithm A_2

These pictures were created with XFig, exported to MetaPost format and included with scaling.

The End

Thank you for going through this document.
You may proceed reading the report on PPower4, the software tool which was used to prepare this demo.

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