The `Prosper` package for LaTeX

(Presentations without PowerPoint)

José Alberto Rubiño-Martín

jalberto@iac.es

Of course, ...

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this presentation was prepared using Prosper.

Overview

- The `Prosper` class
- Why use `Prosper`?
- Basic Structure
- Compilation process
- Miscellaneous features
- `Prosper` at the IAC
- Useful links
- Examples

The Prosper class

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  - Adobe® *Postscript™*
  - *Adobe® Portable Document Format ™ (PDF)*
- Presentations are viewed with the *Acrobat Reader.*

Required packages and programs

- graphicx.sty, seminar.sty (teTeX 0.9 and above)
- Slide styles need PSTricks and AMSLaTeX (amssymb)
- recent version of hyperref ($\geq$6.69)
- Recent version of dvips (v. 5.85 and above)
- Recent version of Ghostscript (version $\geq$ 6.0) to produce PDF

LaTeX packages for presentations

- PDFLatex
- slides class
- Seminar package
- Prosper class
- Beamer class
- TexPower
- ...

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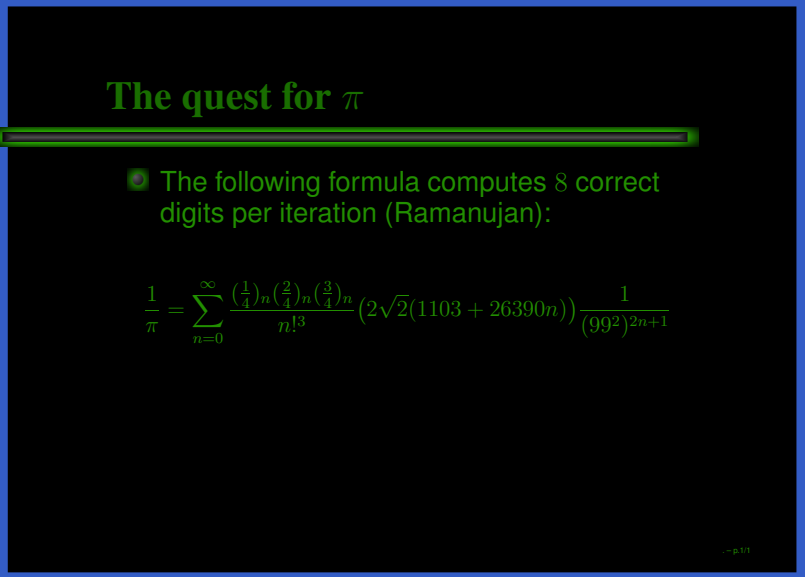
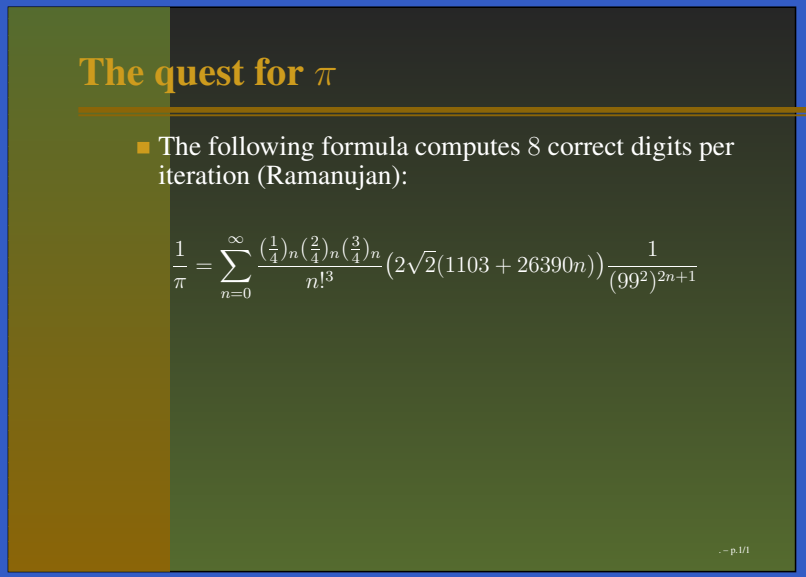
Standard styles I

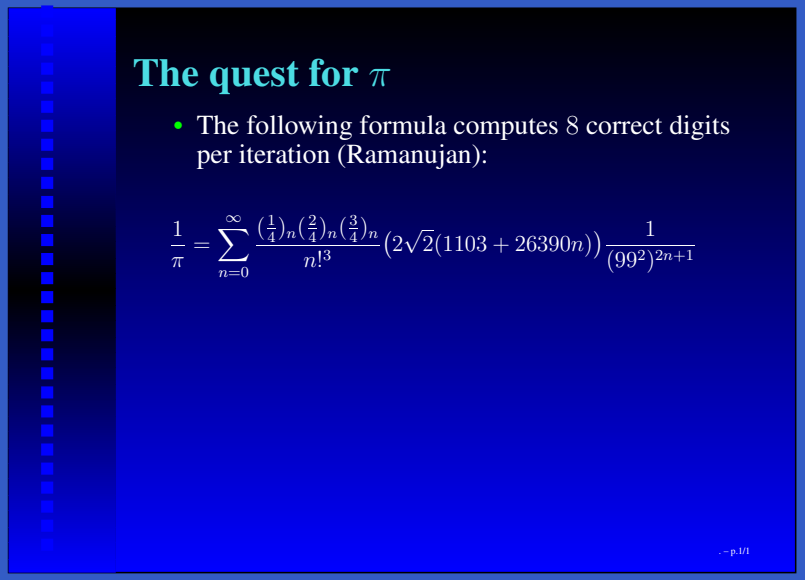


Alienglow



Autumn

Standard styles II



Azure

The quest for π

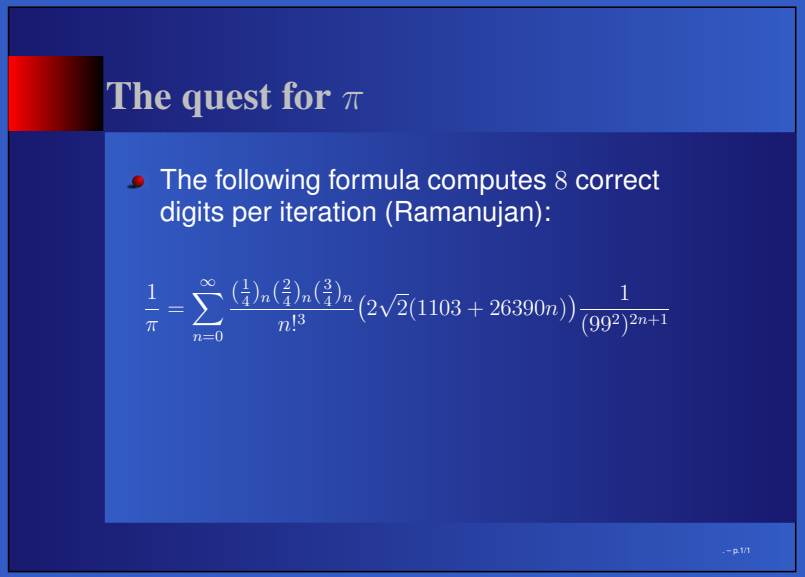
- The following formula computes 8 correct digits per iteration (Ramanujan):

$$\frac{1}{\pi} = \sum_{n=0}^{\infty} \frac{(\frac{1}{4})_n (\frac{2}{4})_n (\frac{3}{4})_n}{n!^3} (2\sqrt{2}(1103 + 26390n)) \frac{1}{(99^2)^{2n+1}}$$

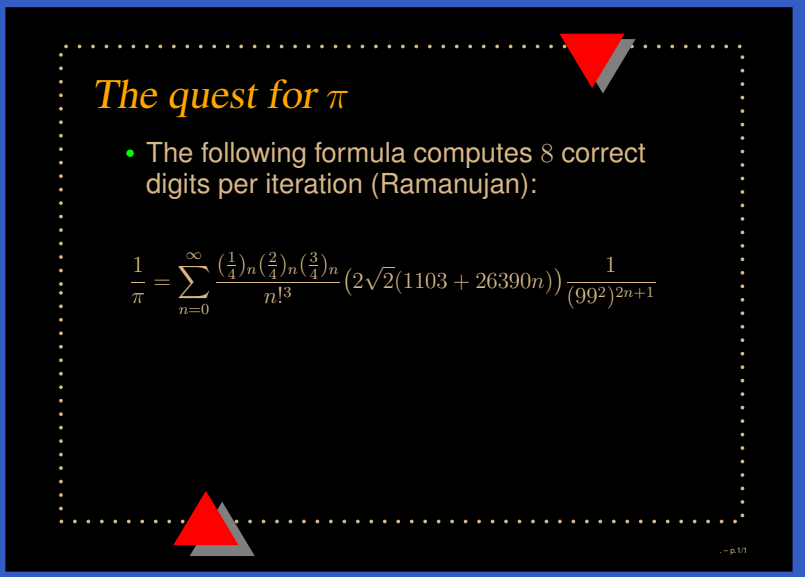
. – p.1/1

Contemporain

Standard styles III

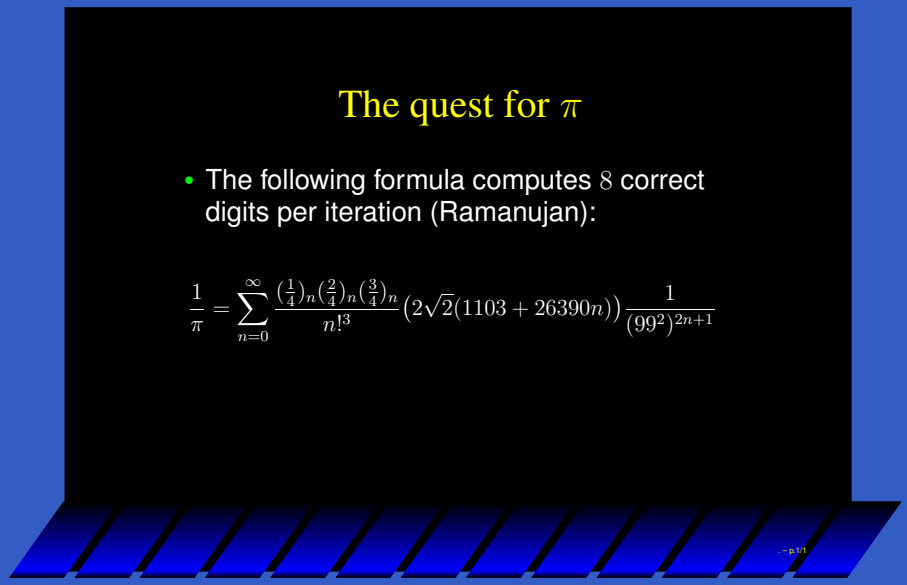


Darkblue

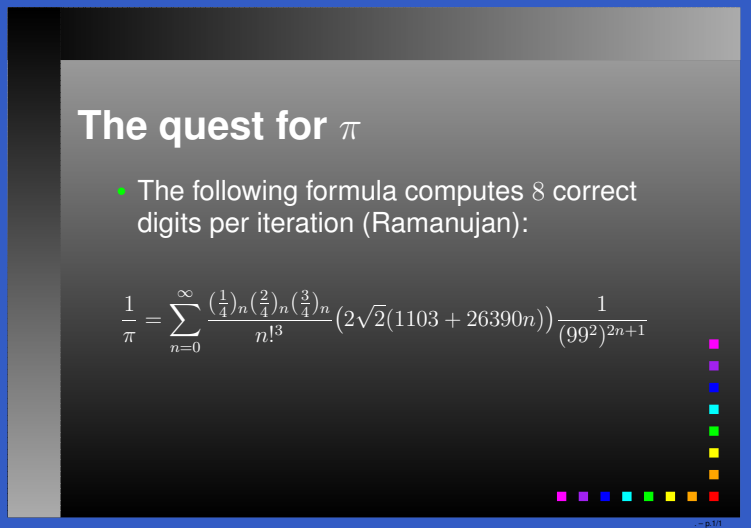


TroisPoints

Standard styles IV



Lignesbleues



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For example,

$$\nabla \cdot \vec{E} = \rho \qquad \nabla \cdot \vec{B} = 0$$
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Basic Structure

```
\documentclass[pdf,...]{prosper}
\title{Some presentation}
...
\begin{document}
\maketitle
...
\begin{slide}[transition]{Title}
  normal text/graphics on slide
\end{slide}
```

Options of the class

`\documentclass[`**options**`]{prosper}`

- pdf or **ps**; **slideBW** or slideColor; colorBG or **nocolorBG**; **final** or draft
- Style: frames, azure, autumn, contemporain, darkblue, **troispoints**, ...

Example:

```
\documentclass[pdf,contemporain,slideColor,
               colorBG]{prosper}
```

Macros in the preamble

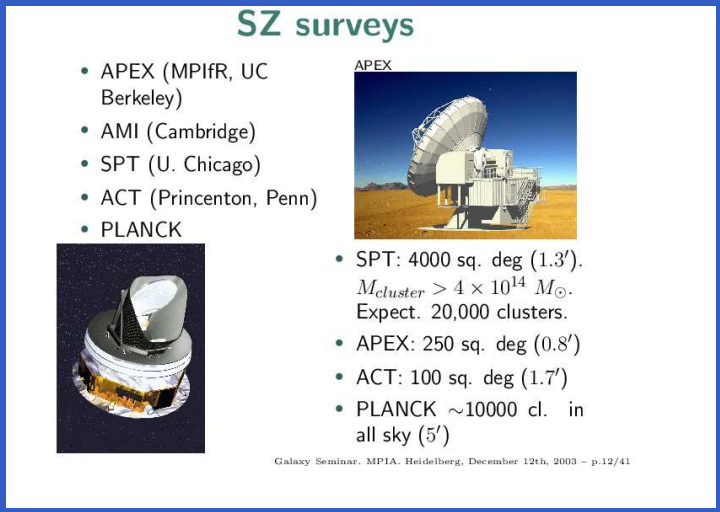
```
\title{}
\subtitle{}
\author{}
\email{}
\institution{}
\slideCaption{}
\Logo(x,y){\includegraphics[width=1cm]{logo.eps} }
\DefaultTransition{}
```

The slide environment

```
\begin{slide}[transition]{Slide title}
```

- Transitions: Split, Blinds, Box, Wipe, Dissolve, Glitter, **Replace**
- Placing text and figures:

```
\begin{minipage}{4cm}
\includegraphics[]{}
\end{minipage}
\begin{minipage}{5cm}
      material for slide
\end{minipage}
```



Step-by-step

```
\overlays{n}{
\begin{slide}{...}
...
\end{slide}}
```

Only in pdf mode!!!

- Macros:

```
\begin{itemstep}
\item ...
\end{itemstep}
```

(no replacement)

```
\fromSlide{m}{}
\onlySlide{m}{}
\untilSlide{m}{}
\FromSlide{m}
```

(replacement)

```
\fromSlide*{m}{}
\onlySlide*{m}{}
\untilSlide*{m}{}
```

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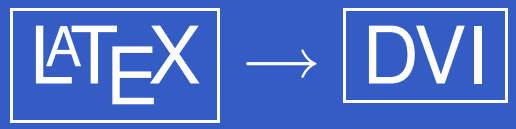

The compilation process:

LaTeX → DVI → PostScript or PDF

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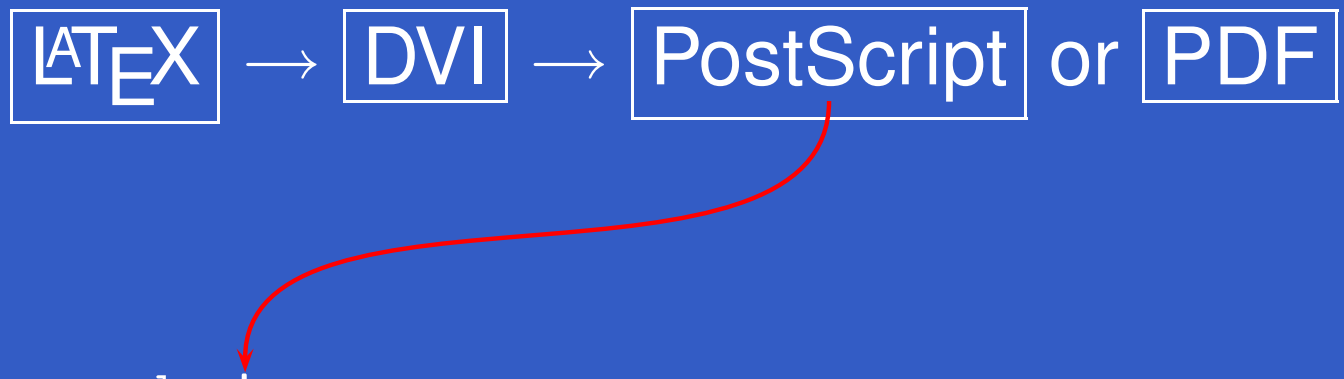

- `dvips`

Printing slides

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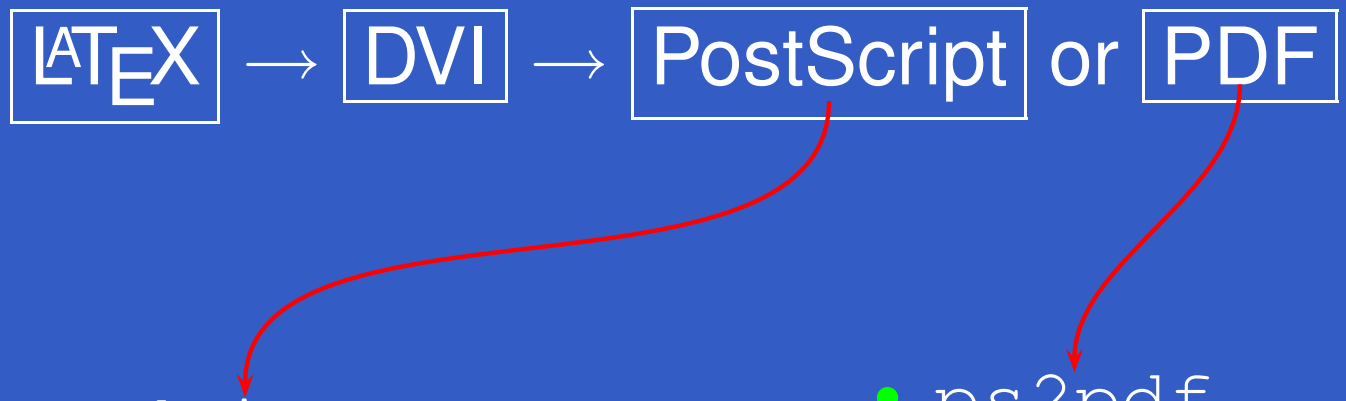


- `dvips`

Printing slides

- `ps2pdf`
- `dvi2pdf` (`Perl` script).

On-screen display

Miscellaneous Features

- Prosper allows to set links and targets within the presentation with the `\hyperlink` and `\hypertarget` commands. (E.g. this is a link to the last page).
- Embed animations within a presentation. E.g. to embed an MPEG movie, you can include the following code:

```
\href{run:movie.mpg}{Click here to view the movie}
```

- Easy to convert the PDF presentation to an HTML slideshow (e.g. using the Python script `pdf2htmlpres.py`).

Prosper at the IAC

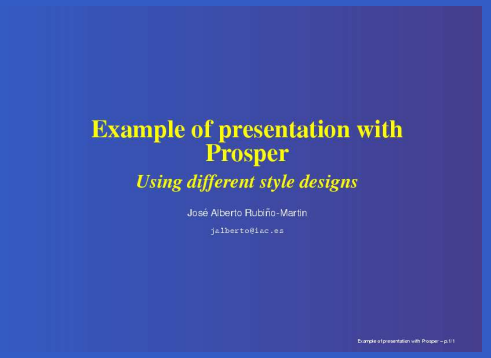
- `Prosper:` `http://goya/inves/SINFIN/sie_courses.html`
- Local directory:

  `/usr/pkg/teTeX/teTeX-2.0.2/share/texmf-local/tex/latex/prosper/`
- IAC logos:

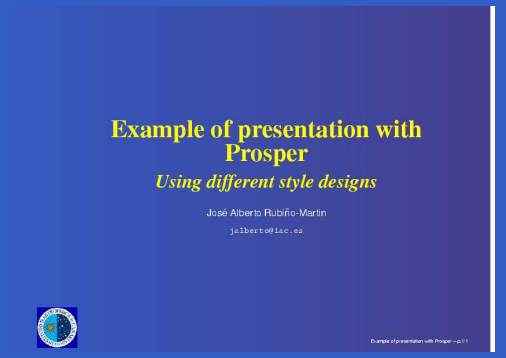
`logoiac_blue_bg.ps`

`logoiac_white_bg.ps`

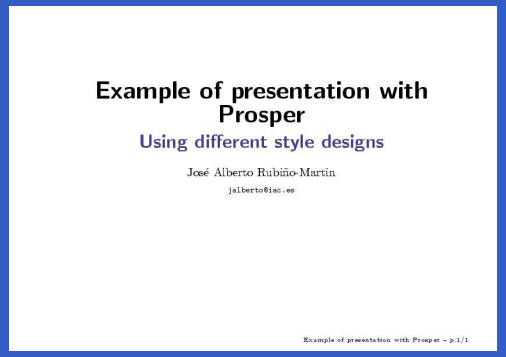
Prosper at the IAC. Styles



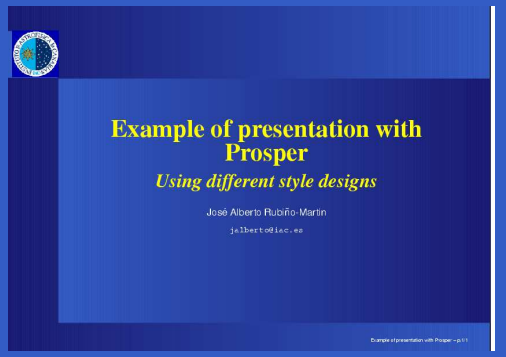
iac0



iac1



iac2



iac3(≈darkblue)

Useful links

- Prosper Home Page

  `http://prosper.sourceforge.net/`
- PStricks

  `http://www.pstricks.de/index.phtml`
- Others:
  - `http://wikiprosper.bbclone.de/`
  - `http://amath.colorado.edu/documentation/LaTeX/prosper/`

(link to page “Miscellaneous features”)