

Tornarem a Patir el L^AT_EX

Sessió 6: Transparències, Recursos Addicionals

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12 Juny 2009

Index

1 Transparències

- Portada
- Seccionat
- Contingut
- Animacions

2 Recursos

3 Pràctica

Transparències

- Diversos paquets existents:
 - slides
 - prosper
 - beamer
 - ...

Transparències

- Diversos paquets existents:
 - slides
 - prosper
 - **beamer**
 - ...

Paquet beamer

- Classe:

```
\documentclass{beamer}
```

- Transparències:

```
\begin{frame}  
  \frametitle{...}  
  ...  
\end{frame}
```

Portada a beamer

- Declaració:

```

\title[títol curt]{títol llarg}
\subtitle[subtítol curt]{subtítol llarg}
\author[autor \and autor (curt)]
  {autor \and autor (llarg)}
\institute[inst. curt]{inst. llarg}
\date{data}

```

- Generació:

```

\maketitle

```

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Seccionat a beamer

- Seccions:

```
\section {...}  
\subsection {...}
```

- Taula de continguts:

```
\tableofcontents
```


Seccionat a beamer

- Inici de secció:

```
\AtBeginSection {
  \begin{frame}
    \frametitle{Lorem Ipsum Index}
    \tableofcontents[ sectionstyle=show/shaded ,
                      subsectionstyle=show/show/hide ]
  \end{frame}
}
```

- Inici de subsecció:

```
\AtBeginSubsection {
  \begin{frame}
    \frametitle{Lorem Ipsum Index}
    \tableofcontents[ sectionstyle=show/hide ,
                      subsectionstyle=show/shaded/hide ]
  \end{frame}
}
```

Lorem Ipsum Index

1 Transparències

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Lorem Ipsum Index

- 1 **Transparències**
 - Portada
 - **Seccionat**
 - Contingut
 - Animacions

Textos a beamer

```
\begin{frame}  
  \frametitle{Lorem Ipsum}
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec porta ultrices ligula, et lacinia lectus laoreet in. Aenean tristique odio ut justo volutpat non porta neque hendrerit. Aliquam metus neque, semper vel placerat a, laoreet interdum justo. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Phasellus et vehicula ante. Cras risus dui, venenatis et dapibus sed, vestibulum eu diam. Fusce ac dolor metus, non mollis felis\

```
\dots  
\end{frame}
```

Lorem Ipsum

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec porta ultrices ligula, et lacinia lectus laoreet in. Aenean tristique odio ut justo volutpat non porta neque hendrerit. Aliquam metus neque, semper vel placerat a, laoreet interdum justo. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Phasellus et vehicula ante. Cras risus dui, venenatis et dapibus sed, vestibulum eu diam. Fusce ac dolor metus, non mollis felis. . .

Enumeracions a beamer

```
\begin{frame}
  \frametitle{Lorem Ipsum}

  \begin{enumerate}
  \item Lorem ipsum dolor sit amet
    \begin{itemize}
    \item Consectetur adipiscing elit
    \end{itemize}
  \item Donec porta ultrices ligula
    \begin{itemize}
    \item Et lacinia lectus laoreet in
    \end{itemize}
  \end{enumerate}
\end{frame}
```

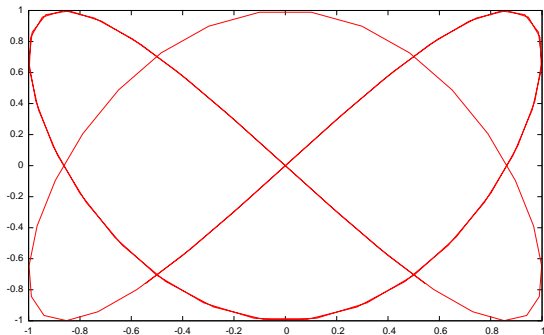
Lorem Ipsum

- 1 Lorem ipsum dolor sit amet
 - Consectetur adipiscing elit
- 2 Donec porta ultrices ligula
 - Et lacinia lectus laoreet in

Imatges a beamer

```
\begin{frame}  
  \frametitle{Lorem Ipsum}  
  
  \begin{center}  
    \includegraphics [width=.7\linewidth]{plot}  
  \end{center}  
\end{frame}
```


Lorem Ipsum



Pauses a beamer

```

\begin{frame}
  \frametitle{Lorem Ipsum}

  \begin{enumerate}
    \item Lorem ipsum dolor sit amet \pause
      \begin{itemize}
        \item Consectetur adipiscing elit \pause
        \end{itemize}
    \item Donec porta ultrices ligula \pause
      \begin{itemize}
        \item Et lacinia lectus laoreet in
        \end{itemize}
      \end{enumerate}
\end{frame}

```

Lorem Ipsum

- 1 Lorem ipsum dolor sit amet

Lorem Ipsum

- 1 Lorem ipsum dolor sit amet
 - Consectetur adipiscing elit

Lorem Ipsum

- 1 Lorem ipsum dolor sit amet
 - Consectetur adipiscing elit
- 2 Donec porta ultrices ligula

Lorem Ipsum

- ① Lorem ipsum dolor sit amet
 - Consectetur adipiscing elit
- ② Donec porta ultrices ligula
 - Et lacinia lectus laoreet in

Overlays a beamer

- Intervals:

$\langle x \rangle$	Transparència x
$\langle x, y \rangle$	Transparències x i y
$\langle x-y \rangle$	Transparències de la x a la y
$\langle -x \rangle$	Transparències fins la x
$\langle x- \rangle$	Transparències a partir de la x

Overlays a beamer

- Ús d'intervals:

```
\onslide <... > {...}
```

```
\only <... > {...}
```

```
\item <... > {...}
```

```
\alert <... > {...}
```


Overlays a beamer

```

\begin{frame}
  \frametitle{Lorem Ipsum}

  \begin{center}
    \begin{tabular}{|c|c|c|c|}
      \hline
      : \onslide<1-2>{1--2} : & : \onslide<2->{2--} : &
      : \onslide<1,4>{1,4} : & : \onslide<-3>{-3} : \\
      \hline
      : \only<1-2>{1--2} : & : \only<2->{2--} : &
      : \only<1,4>{1,4} : & : \only<-3>{-3} : \\
      \hline
      : \alert<1-2>{1--2} : & : \alert<2->{2--} : &
      : \alert<1,4>{1,4} : & : \alert<-3>{-3} : \\
      \hline
    \end{tabular}
  \end{center}
\end{frame}

```

Lorem Ipsum

1	2
3	4

: 1-2 :	: :	: 1,4 :	: -3 :
: 1-2 :	: :	: 1,4 :	: -3 :
: 1-2 :	: 2- :	: 1,4 :	: -3 :

Lorem Ipsum

1	2
3	4

: 1-2 :	: 2- :	: :	: -3 :
: 1-2 :	: 2- :	: :	: -3 :
: 1-2 :	: 2- :	: 1,4 :	: -3 :

Lorem Ipsum

1	2
3	4

: :	: 2- :	: :	: -3 :
: :	: 2- :	: :	: -3 :
: 1-2 :	: 2- :	: 1,4 :	: -3 :

Lorem Ipsum

1	2
3	4

: :	: 2- :	: 1,4 :	: :
: :	: 2- :	: 1,4 :	: :
: 1-2 :	: 2- :	: 1,4 :	: -3 :

Overlays a beamer

```
\begin{frame}
  \frametitle{Lorem Ipsum}

  \begin{center}
    \only<1>{\tiny tiny}%
    \only<2>{\scriptsize scriptsize}%
    \only<3>{\footnotesize footnotesize}%
    \only<4>{\small small}%
    \only<5>{\normalsize normalsize}%
    \only<6>{\large large}%
    \only<7>{\Large Large}%
    \only<8>{\LARGE LARGE}%
    \only<9>{\huge huge}%
    \only<10>{\Huge Huge}%
  \end{center}
\end{frame}
```

Lorem Ipsum

tiny

Lorem Ipsum

scriptsize

Lorem Ipsum

footnotesize

Lorem Ipsum

small

Lorem Ipsum

normalsize

Lorem Ipsum

large

Lorem Ipsum

Large

Lorem Ipsum

LARGE

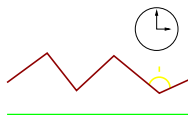
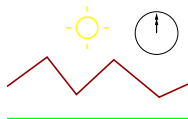
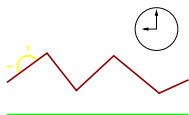
Lorem Ipsum

huge

Lorem Ipsum

Huge

Overlays a beamer

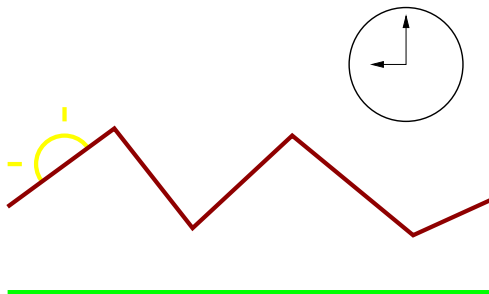


Overlays a beamer

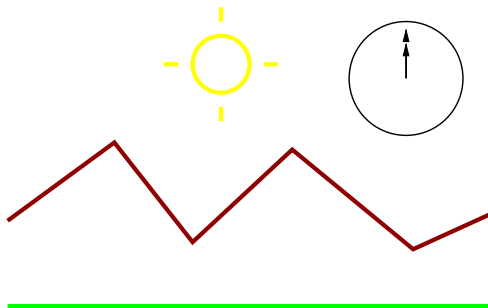
```
\begin{frame}
  \frametitle{Lorem Ipsum}

  \begin{center}
    \only<1>{\includegraphics[height=.6\textheight]{fig/time1}}%
    \only<2>{\includegraphics[height=.6\textheight]{fig/time2}}%
    \only<3>{\includegraphics[height=.6\textheight]{fig/time3}}%
  \end{center}
\end{frame}
```

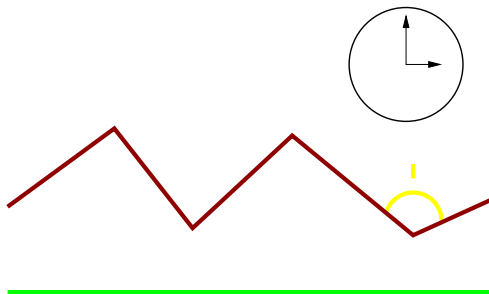
Lorem Ipsum



Lorem Ipsum



Lorem Ipsum



Temes a beamer

- Temes de Presentació:

```
\usetheme { ... }
```

- Temes individuals:

```
\useoutertheme { ... }  
\useinnertheme { ... }  
\usecolortheme { ... }
```

Temes de Presentació

- Sense navegació:

```
\usetheme{default}
```

There Is No Largest Prime Number
With an introduction to a new proof technique

Euklid of Alexandria
Department of Mathematics
University of Alexandria

27th International Symposium on Prime Numbers, -280

Results
Proof of the Main Theorem

There Is No Largest Prime Number
The proof uses *reductio ad absurdum*.

Theorem
There is no largest prime number.

Proof.

1. Suppose p were the largest prime number.
2. Let q be the product of the first p numbers.
3. Then $q + 1$ is not divisible by any of them.
4. Thus $q + 1$ is also prime and greater than p . □

Temes de Presentació

- Sense navegació:

```
\usetheme{Madrid}
```

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- Proof of the Main Theorem

Navigation icons at the bottom.

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Navigation icons at the bottom.

Temes de Presentació

- Amb arbre de navegació:

```
\usetheme{Antibes}
```

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1 Results
■ Proof of the Main Theorem

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Temes de Presentació

- Amb barra lateral:

```
\usetheme{PaloAlto}
```

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- Then $q + 1$ is not divisible by any of them.
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Temes de Presentació

- Amb mini-frame:

```
\usetheme{Berlin}
```

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There Is No Largest Prime Number

Temes de Presentació

- Amb taules de secció:

```
\usetheme{Copenhagen}
```

Results

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Results

- Proof of the Main Theorem

1 / 14 There Is No Largest Prime Number

Results Proof of the Main Theorem

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1 / 14 There Is No Largest Prime Number

Temes externs

<code>default</code>	Sense navegació
<code>tree</code>	Amb arbre de navegació
<code>sidebar</code>	Amb barra lateral
<code>miniframes</code>	Amb mini-frame
<code>split</code>	Amb taules de secció

Temes interns

<code>default</code>	Estàndard
<code>circles</code>	Cercles
<code>rounded</code>	Cercles ombrejats
<code>rectangles</code>	Rectangles
<code>inmargin</code>	Al marge

Temes de color

```
\usecolortheme{default}
```

There Is No Largest Prime Number
Euklid

Results

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Results
Proof of the Main Theorem

There Is No Largest Prime Number
Euklid

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Temes de color

```
\usecolortheme{albatross}
```

The title:
Largest Prime
Number

Euklid

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Temes de color

```
\usecolortheme{beetle}
```

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Temes de color

```
\usecolortheme{wolverine}
```

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Euklid

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Temes de color

```
\usecolortheme{crane}
```

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Recursos

- Llibres
 - \LaTeX : A Document Preparation System
 - The \LaTeX Companion

Recursos

- Tutorials On-line

- The Not So Short Introduction to \LaTeX :
<http://tobi.oetiker.ch/lshort/lshort.pdf>
- Indian \TeX Users Group:
<http://www.tug.org/tutorials/tugindia/>
- Getting to Grips with \LaTeX :
<http://www.andy-roberts.net/misc/latex/>
- \LaTeX para las Humanidades:
<http://rt0016xp.eresmas.net/lplh/latex-humanidades.pdf>

Recursos

- Referències:
 - Hypertext Help with \LaTeX :
<http://www.giss.nasa.gov/tools/latex/>
 - \LaTeX for Linguists: <http://www.essex.ac.uk/linguistics/clmt/latex4ling/>

Recursos

- Repositoris:
 - T_EX Catalogue: <ftp://tug.org/tex-archive/help/Catalogue/brief.html>
 - Comprehensive T_EX Archive Network:
<http://www.tug.org/ctan.html>

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Pràctica

1 Generar el document:

- <http://www.lsi.upc.edu/~egonzalez/latex/practica6.pdf>
- <http://www.lsi.upc.edu/~egonzalez/latex/beamer.pdf>
- <http://www.lsi.upc.edu/~egonzalez/latex/time1.pdf>
- <http://www.lsi.upc.edu/~egonzalez/latex/time2.pdf>
- <http://www.lsi.upc.edu/~egonzalez/latex/time3.pdf>

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Bona sort!!



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