

What is Typesetting?
A Quick Introduction To \TeX
What Can \TeX do for *You*?
 $\text{\X}\text{\TeX}$ Enhanced Functionality
Tools for Typesetting \TeX on BSD
Wrapping it up

EuroBSDCon2008

Practical Typesetting with BSD

Edd Barrett

EuroBSDCon 2008

October 12, 2008

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^ Capture 2 (timing = 0 h 0 m 0 s)

What is Typesetting?
A Quick Introduction To \TeX
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Wrapping it up

The Art of Typesetting
Computer Typesetting

EuroBSDCon2008

- 1 What is Typesetting?
- 2 A Quick Introduction To \TeX
- 3 What Can \TeX do for *You*?
- 4 $\text{\X}\text{\TeX}$ Enhanced Functionality
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^ Capture 3 (timing = 0 h 0 m 51 s)

What is Typesetting?
A Quick Introduction To \TeX
What Can \TeX do for *You*?
 $\text{X}\mathcal{E}\text{L}\text{A}\text{T}\text{E}\text{X}$ Enhanced Functionality
Tools for Typesetting \TeX on BSD
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The Art of Typesetting
Computer Typesetting

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→ The Art of Typesetting

“Typesetting involves the presentation of textual material in graphic form on paper or some other medium.” - Wikipedia.

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^ Capture 4 (timing = 0 h 0 m 58 s)

What is Typesetting?
A Quick Introduction To \TeX
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 $\text{X}\mathcal{E}\text{L}\text{A}\text{T}\text{E}\text{X}$ Enhanced Functionality
Tools for Typesetting \TeX on BSD
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The Art of Typesetting
Computer Typesetting

EuroBSDCon2008

→ The Art of Typesetting

“Typesetting involves the presentation of textual material in graphic form on paper or some other medium.” - Wikipedia.

- Letterpress methods.
 - Each font consists of a set of metal *sorts*.
 - The sorts were pressed onto the page.

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^ Capture 5 (timing = 0 h 1 m 21 s)

What is Typesetting?
A Quick Introduction To T_EX
What Can T_EX do for You?
X_YT_EX Enhanced Functionality
Tools for Typesetting T_EX on BSD
Wrapping it up

The Art of Typesetting
Computer Typesetting

EuroBSDCon2008

→ The Art of Typesetting

“Typesetting involves the presentation of textual material in graphic form on paper or some other medium.” - Wikipedia.

- Letterpress methods.
 - Each font consists of a set of metal *sorts*.
 - The sorts were pressed onto the page.
- Phototypesetting methods followed.
 - Light sensitive paper.
 - Expose font in light onto the page.

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^ Capture 6 (timing = 0 h 1 m 34 s)

What is Typesetting?
A Quick Introduction To T_EX
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The Art of Typesetting
Computer Typesetting

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→ The Art of Typesetting

“Typesetting involves the presentation of textual material in graphic form on paper or some other medium.” - Wikipedia.

- Letterpress methods.
 - Each font consists of a set of metal *sorts*.
 - The sorts were pressed onto the page.
- Phototypesetting methods followed.
 - Light sensitive paper.
 - Expose font in light onto the page.
- Then came computer typesetting.

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^ Capture 7 (timing = 0 h 1 m 52 s)

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	→ Computer Typesetting	
<ul style="list-style-type: none"> ■ Troff and clones. <ul style="list-style-type: none"> ■ Manual pages. 		
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^ Capture 8 (timing = 0 h 1 m 56 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	The Art of Typesetting Computer Typesetting
	→ Computer Typesetting	
<ul style="list-style-type: none"> ■ Troff and clones. <ul style="list-style-type: none"> ■ Manual pages. ■ T_EX based. <ul style="list-style-type: none"> ■ T_EX, L_AT_EX, PdfT_EX, PdfL_AT_EX, X_YT_EX, X_YL_AT_EX, ConT_EXt... 		
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^ Capture 9 (timing = 0 h 2 m 10 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X ₃ T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	The Art of Typesetting Computer Typesetting
	→ Computer Typesetting	
<ul style="list-style-type: none"> ■ Troff and clones. <ul style="list-style-type: none"> ■ Manual pages. ■ T_EX based. <ul style="list-style-type: none"> ■ T_EX, L_AT_EX, PdfT_EX, PdfL_AT_EX, X₃T_EX, X₃L_AT_EX, ConT_EXt... ■ SGML. <ul style="list-style-type: none"> ■ Lead to XML. 		
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^ Capture 10 (timing = 0 h 2 m 36 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X ₃ T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Mark-up Compiled The Different T _E X Typesetters Extensible T _E X is Free
	<ol style="list-style-type: none"> 1 What is Typesetting? 2 A Quick Introduction To T_EX 3 What Can T_EX do for You? 4 X₃T_EX Enhanced Functionality 5 Tools for Typesetting T_EX on BSD 6 Wrapping it up 	
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^ Capture 11 (timing = 0 h 2 m 45 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Mark-up Compiled The Different T _E X Typesetters Extensible T _E X is Free
	→ Mark-up <ul style="list-style-type: none"> ■ T_EX macro language is a plain text mark-up language. 	
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^ Capture 12 (timing = 0 h 2 m 49 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Mark-up Compiled The Different T _E X Typesetters Extensible T _E X is Free
	→ Mark-up <ul style="list-style-type: none"> ■ T_EX macro language is a plain text mark-up language. <div> <code>\LaTeX\ is a \emph{mark}-^{up} \textbf{language}.</code> </div> <div> \LaTeX is a <i>mark-^{up}</i> language. </div>	
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^ Capture 13 (timing = 0 h 3 m 6 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X ₃ T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Mark-up Compiled The Different T _E X Typesetters Extensible T _E X is Free
--	---

→ Mark-up

- T_EX macro language is a plain text mark-up language.

`\LaTeX\ is a \emph{mark}-up$ \textbf{language}.`

\LaTeX is a *mark^{up}* language.

- Macros start with a backslash.

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^ Capture 14 (timing = 0 h 3 m 46 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X ₃ T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Mark-up Compiled The Different T _E X Typesetters Extensible T _E X is Free
--	---

→ Mark-up

- T_EX macro language is a plain text mark-up language.

`\LaTeX\ is a \emph{mark}-up$ \textbf{language}.`

\LaTeX is a *mark^{up}* language.

- Macros start with a backslash.
- Mandatory parameters are enclosed in curly braces.

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^ Capture 15 (timing = 0 h 3 m 54 s)

What is Typesetting?
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T_EX is Free

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→ Mark-up

- T_EX macro language is a plain text mark-up language.

```
\LaTeX\ is a \emph{mark}-up \textbf{language}.
```

1

\LaTeX is a *mark*^{up} language.

- Macros start with a backslash.
- Mandatory parameters are enclosed in curly braces.
- Optional parameters are enclosed in square brackets.

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^ Capture 16 (timing = 0 h 4 m 1 s)

What is Typesetting?
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→ Compiled

- Macro source is first expanded into primitives.

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^ Capture 17 (timing = 0 h 4 m 10 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T_EX What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Mark-up Compiled The Different T _E X Typesetters Extensible T _E X is Free
	<p>→ Compiled</p> <ul style="list-style-type: none"> ■ Macro source is first expanded into primitives. ■ Resulting code is compiled into DVI or PDF. 	
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^ Capture 18 (timing = 0 h 4 m 21 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T_EX What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Mark-up Compiled The Different T _E X Typesetters Extensible T _E X is Free
	<p>→ Compiled</p> <ul style="list-style-type: none"> ■ Macro source is first expanded into primitives. ■ Resulting code is compiled into DVI or PDF. ■ Several different T_EX based compilers. <ul style="list-style-type: none"> ■ Some have the extended L^AT_EX2e support. ■ Some Make DVI, others make PDF. 	
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^ Capture 19 (timing = 0 h 4 m 51 s)

What is Typesetting?
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Compiled
The Different T_EX Typesetters
Extensible
T_EX is Free

→ The Different T_EX Typesetters

Typesetter	DVI	PDF	2e Macros
T _E X	•		
L ^A T _E X	•		•
Pd _f T _E X		•	
Pd _f L ^A T _E X		•	•
X ₃ T _E X		•	
X ₃ L ^A T _E X		•	•
ConT _E Xt		•	

- Note: ConT_EXt uses a completely different macro set.

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^ Capture 20 (timing = 0 h 5 m 6 s)

What is Typesetting?
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The Different T_EX Typesetters
Extensible
T_EX is Free

→ Extensible

- Write your own macros.

```

\newcommand{\mynameis}[1]{My name is #1}
\mynameis{Edd}

```

My name is Edd

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^ Capture 21 (timing = 0 h 6 m 13 s)

What is Typesetting?
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The Different T_EX Typesetters
Extensible
T_EX is Free

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→ Extensible

- Write your own macros.

```

\newcommand{\mynameis}[1]{My name is #1}
\mynameis{Edd}

```

1
2

My name is Edd

- Write your own document types with *classes*.

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^ Capture 22 (timing = 0 h 6 m 43 s)

What is Typesetting?
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Compiled
The Different T_EX Typesetters
Extensible
T_EX is Free

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→ Extensible

- Write your own macros.

```

\newcommand{\mynameis}[1]{My name is #1}
\mynameis{Edd}

```

1
2

My name is Edd

- Write your own document types with *classes*.
- Write your own functionality using *styles*.

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^ Capture 23 (timing = 0 h 7 m 3 s)

What is Typesetting?
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→ Extensible

- Write your own macros.

```

\newcommand{\mynameis}[1]{My name is #1}
\mynameis{Edd}

```

My name is Edd

- Write your own document types with *classes*.
- Write your own functionality using *styles*.
- CTAN - Comprehensive T_EX Archive Network.

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^ Capture 24 (timing = 0 h 7 m 16 s)

What is Typesetting?
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→ T_EX is Free

- Several T_EX distributions are free and open.

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^ Capture 25 (timing = 0 h 7 m 29 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T_EX What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Mark-up Compiled The Different T _E X Typesetters Extensible T_EX is Free
	<p>→ T_EX is Free</p> <ul style="list-style-type: none"> ■ Several T_EX distributions are free and open. ■ Under mixed licenses. 	
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^ Capture 26 (timing = 0 h 7 m 50 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T_EX What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Mark-up Compiled The Different T _E X Typesetters Extensible T_EX is Free
	<p>→ T_EX is Free</p> <ul style="list-style-type: none"> ■ Several T_EX distributions are free and open. ■ Under mixed licenses. ■ Active open-source community. 	
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^ Capture 27 (timing = 0 h 8 m 8 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T_EX What Can T _E X do for <i>You</i> ? X _Y T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Mark-up Compiled The Different T _E X Typesetters Extensible T_EX is Free
	<p>→ T_EX is Free</p> <ul style="list-style-type: none"> ■ Several T_EX distributions are free and open. ■ Under mixed licenses. ■ Active open-source community. ■ Great alternative to MS-Word for students? 	
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^ Capture 28 (timing = 0 h 8 m 23 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T_EX do for <i>You</i>? X _Y T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Math Graphics Source Code Invoices Presentations
	<ol style="list-style-type: none"> 1 What is Typesetting? 2 A Quick Introduction To T_EX 3 What Can T_EX do for <i>You</i>? 4 X_YT_EX Enhanced Functionality 5 Tools for Typesetting T_EX on BSD 6 Wrapping it up 	
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^ Capture 29 (timing = 0 h 8 m 42 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To $\text{T}_{\text{E}}\text{X}$ What Can $\text{T}_{\text{E}}\text{X}$ do for You? $\text{X}_{\text{E}}\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$ Enhanced Functionality Tools for Typesetting $\text{T}_{\text{E}}\text{X}$ on BSD Wrapping it up	Math Graphics Source Code Invoices Presentations
	<p>→ Math</p> <ul style="list-style-type: none"> ■ Math has always been a strong point for $\text{T}_{\text{E}}\text{X}$. 	
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^ Capture 30 (timing = 0 h 8 m 56 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To $\text{T}_{\text{E}}\text{X}$ What Can $\text{T}_{\text{E}}\text{X}$ do for You? $\text{X}_{\text{E}}\text{L}_{\text{A}}\text{TeX}$ Enhanced Functionality Tools for Typesetting $\text{T}_{\text{E}}\text{X}$ on BSD Wrapping it up	Math Graphics Source Code Invoices Presentations
	<p>→ Math</p> <ul style="list-style-type: none"> ■ Math has always been a strong point for $\text{T}_{\text{E}}\text{X}$. ■ Math support is built in. 	
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^ Capture 31 (timing = 0 h 9 m 0 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T_EX do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Math Graphics Source Code Invoices Presentations
	<p>→ Math</p> <ul style="list-style-type: none"> ■ Math has always been a strong point for T_EX. ■ Math support is built in. <pre> \begin{equation} \sum_{\gamma \in \Gamma_C} I_{\gamma} = 2^k - \binom{k}{1} 2^{k-1} \end{equation} </pre> $\sum_{\gamma \in \Gamma_C} I_{\gamma} = 2^k - \binom{k}{1} 2^{k-1} \quad (1)$	
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^ Capture 32 (timing = 0 h 9 m 7 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T_EX do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Math Graphics Source Code Invoices Presentations
	<p>→ Graphics :: Bitmaps</p> <ul style="list-style-type: none"> ■ Bitmap graphics with the <i>graphicx</i> package. <pre> \includegraphics[scale=.1]{img/puff.png} </pre> 	
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^ Capture 33 (timing = 0 h 9 m 22 s)

What is Typesetting?
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→ Graphics :: Drawing Packages

- Drawing packages, such as *tikz*.

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^ Capture 34 (timing = 0 h 9 m 59 s)

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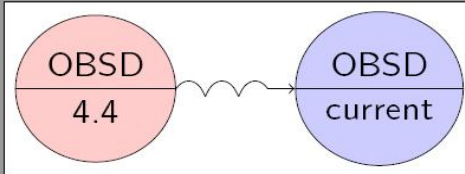
→ Graphics :: Drawing Packages

- Drawing packages, such as *tikz*.

```

\begin{tikzpicture}
  \node[circle split,draw,fill=red!20](A) at
    (0,0) {OBSD\nodepart{lower}4.4};
  \node[circle split,draw,fill=blue!20](B) at
    (3,0) {OBSD\nodepart{lower}current};
  \draw[->,snake=coil](A) -- (B);
\end{tikzpicture}

```



1
2
3
4
5

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^ Capture 35 (timing = 0 h 10 m 17 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T_EX do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Math Graphics Source Code Invoices Presentations
	→ Graphics :: Graphs	
<ul style="list-style-type: none"> ■ <i>pgfplots</i> can draw graphs. 		
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^ Capture 36 (timing = 0 h 11 m 1 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T_EX do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Math Graphics Source Code Invoices Presentations
	→ Graphics :: Graphs	
<ul style="list-style-type: none"> ■ <i>pgfplots</i> can draw graphs. ■ (Uses Gnuplot). 		
<pre> \begin{tikzpicture} \begin{axis}[xlabel=\$x\$, ylabel=\$\sin(x)\$, name=an axis] \addplot plot[id=sin] function{sin(x)}; \end{axis} \end{tikzpicture} </pre>		
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^ Capture 37 (timing = 0 h 11 m 14 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To \TeX What Can \TeX do for You? \XeTeX Enhanced Functionality Tools for Typesetting \TeX on BSD Wrapping it up	Math Graphics Source Code Invoices Presentations
	→ Graphics :: Graphs 2	

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^ Capture 38 (timing = 0 h 11 m 32 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To \TeX What Can \TeX do for You? \XeTeX Enhanced Functionality Tools for Typesetting \TeX on BSD Wrapping it up	Math Graphics Source Code Invoices Presentations
	→ Source Code	

- Source examples in these slides use the *listings* package.

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^ Capture 39 (timing = 0 h 11 m 37 s)

What is Typesetting?
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→ Source Code

- Source examples in these slides use the *listings* package.

```

\definecolor{cream}{HTML}{F7F8CC}
\lstset{%
    basicstyle=\ttfamily\small,
    language=[LaTeX]TeX,
    numbers=right,
    numberstyle=\footnotesize\color{blue},
    frame=single,
    backgroundcolor=\color{cream},
    tabsize=4,
    breaklines=true
}
\lstinputlisting{path/to/source.tex}

```

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11
12

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^ Capture 40 (timing = 0 h 12 m 23 s)

What is Typesetting?
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→ Invoices

- The *invoice* class can automatically calculate invoices.

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^ Capture 41 (timing = 0 h 12 m 55 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T_EX do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Math Graphics Source Code Invoices Presentations
	→ Invoices <ul style="list-style-type: none"> ■ The <i>invoice</i> class can automatically calculate invoices. ■ (Easily auto-generated by your stock management system). 	
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^ Capture 42 (timing = 0 h 13 m 9 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T_EX do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Math Graphics Source Code Invoices Presentations
	→ Invoices <ul style="list-style-type: none"> ■ The <i>invoice</i> class can automatically calculate invoices. ■ (Easily auto-generated by your stock management system). <pre> \begin{invoice}{GBP}{17.5} \ProjectTitle{Invoice} \Fee{Some task}{3455.00}{1} \Fee{Overtime}{25.00}{8} \end{invoice} </pre>	
Edd Barrett Practical Typesetting with BSD		1 2 3 4 5

^ Capture 43 (timing = 0 h 13 m 44 s)

What is Typesetting?
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→ Invoices 2

Invoice

Activity	Rate/Unit	Count	Amount (GBP)
Some task	3455.00	1	3455.00
Overtime	25.00	8	200.00
Subtotal Fees			3655.00
VAT (17.5%)			639.62
Subtotal Invoice			4294.62
Sum Fees			3655.00
Sum VAT			639.62
Total			4294.62

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^ Capture 44 (timing = 0 h 14 m 4 s)

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→ Presentations

- This presentation was typeset with the *beamer* class.
- The source is available:
<http://students.dec.bmth.ac.uk/ebarrett/papers/eurobsdcon2008>

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^ Capture 45 (timing = 0 h 14 m 15 s)

EuroBSDCon2008	What is Typesetting?	Fontspec
	A Quick Introduction To T _E X	Native Unicode Support
	What Can T _E X do for <i>You</i> ?	
	X₃T_EX Enhanced Functionality	
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- 2 A Quick Introduction To T_EX
- 3 What Can T_EX do for *You*?
- 4 X₃T_EX Enhanced Functionality**
- 5 Tools for Typesetting T_EX on BSD
- 6 Wrapping it up

Edd Barrett	Practical Typesetting with BSD
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^ Capture 46 (timing = 0 h 14 m 43 s)

EuroBSDCon2008	What is Typesetting?	Fontspec
	A Quick Introduction To T _E X	Native Unicode Support
	What Can T _E X do for <i>You</i> ?	
	X₃T_EX Enhanced Functionality	
	Tools for Typesetting T _E X on BSD	
	Wrapping it up	

→ Fontspec

- X₃T_EX with *fontspec* is capable of rendering TTF and OTF fonts.

Edd Barrett	Practical Typesetting with BSD
-------------	--------------------------------

^ Capture 47 (timing = 0 h 14 m 59 s)

What is Typesetting?
A Quick Introduction To T_EX
What Can T_EX do for You?
X_YT_EX Enhanced Functionality
Tools for Typesetting T_EX on BSD
Wrapping it up

Fontspec
Native Unicode Support

→ Fontspec

- X_YT_EX with *fontspec* is capable of rendering TTF and OTF fonts.

The quick brown fox jumps over the lazy dog

Antagea (TrueType)

Edd Barrett
Practical Typesetting with BSD

^ Capture 48 (timing = 0 h 15 m 16 s)

What is Typesetting?
A Quick Introduction To T_EX
What Can T_EX do for You?
X_YT_EX Enhanced Functionality
Tools for Typesetting T_EX on BSD
Wrapping it up

Fontspec
Native Unicode Support

→ Fontspec

- X_YT_EX with *fontspec* is capable of rendering TTF and OTF fonts.

The quick brown fox jumps over the lazy dog

Antagea (TrueType)

The quick brown fox jumps over the lazy dog

GeoOblique (OpenType)

Edd Barrett
Practical Typesetting with BSD

^ Capture 49 (timing = 0 h 15 m 29 s)

What is Typesetting?
A Quick Introduction To \TeX
What Can \TeX do for You?
 $\text{\texttt{X}}\mathbb{E}\mathbb{T}\mathbb{E}\mathbb{X}$ Enhanced Functionality
Tools for Typesetting \TeX on BSD
Wrapping it up

Fontspec
Native Unicode Support

→ Fontspec

- $\text{\texttt{X}}\mathbb{E}\mathbb{T}\mathbb{E}\mathbb{X}$ with *fontspec* is capable of rendering TTF and OTF fonts.

The quick brown fox jumps over the lazy dog

Antagea (TrueType)

The quick brown fox jumps over the lazy dog

GeoOblique (OpenType)

- See the *fontspec* package for more information.

Edd Barrett
Practical Typesetting with BSD

^ Capture 50 (timing = 0 h 15 m 36 s)

What is Typesetting?
A Quick Introduction To \TeX
What Can \TeX do for You?
 $\text{\texttt{X}}\mathbb{E}\mathbb{T}\mathbb{E}\mathbb{X}$ Enhanced Functionality
Tools for Typesetting \TeX on BSD
Wrapping it up

Fontspec
Native Unicode Support

→ Fontspec

- $\text{\texttt{X}}\mathbb{E}\mathbb{T}\mathbb{E}\mathbb{X}$ with *fontspec* is capable of rendering TTF and OTF fonts.

The quick brown fox jumps over the lazy dog

Antagea (TrueType)

The quick brown fox jumps over the lazy dog

GeoOblique (OpenType)

- See the *fontspec* package for more information.
- Fonts from the *Open Font Library* under the OFL license.

Edd Barrett
Practical Typesetting with BSD

^ Capture 51 (timing = 0 h 15 m 40 s)

What is Typesetting?
A Quick Introduction To T_EX
What Can T_EX do for You?
X_YT_EX Enhanced Functionality
Tools for Typesetting T_EX on BSD
Wrapping it up

Fontspec
Native Unicode Support

→ Native Unicode Support

- X_YT_EX is capable typesetting Unicode characters natively.

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Edd Barrett

Practical Typesetting with BSD

^ Capture 52 (timing = 0 h 15 m 43 s)

What is Typesetting?
A Quick Introduction To T_EX
What Can T_EX do for You?
X_YT_EX Enhanced Functionality
Tools for Typesetting T_EX on BSD
Wrapping it up

Fontspec
Native Unicode Support

→ Native Unicode Support

- X_YT_EX is capable typesetting Unicode characters natively.

U + 00D6	U + 00C8	U + 0087	U + 00A4
Ö	È	§	⌘

EuroBSDCon2008

Edd Barrett

Practical Typesetting with BSD

^ Capture 53 (timing = 0 h 16 m 5 s)

What is Typesetting?
A Quick Introduction To T_EX
What Can T_EX do for You?
X_YT_EX Enhanced Functionality
Tools for Typesetting T_EX on BSD
Wrapping it up

Fontspec
Native Unicode Support

EuroBSDCon2008

→ Native Unicode Support

- X_YT_EX is capable typesetting Unicode characters natively.

U + 00D6	U + 00C8	U + 0087	U + 00A4
Ö	È	§	œ

- Unicode charts can be found at:
<http://www.unicode.org/charts/>.
- The above font is *Charis SIL*, freely available under the OFL license.

Edd Barrett

Practical Typesetting with BSD

^ Capture 54 (timing = 0 h 16 m 15 s)

What is Typesetting?
A Quick Introduction To T_EX
What Can T_EX do for You?
X_YT_EX Enhanced Functionality
Tools for Typesetting T_EX on BSD
Wrapping it up

T_EX Distribution
Text Editor
Document Previewer
Spell Checker
Graphics Editors/Viewers
Print Spooler

EuroBSDCon2008

- What is Typesetting?
- A Quick Introduction To T_EX
- What Can T_EX do for You?
- X_YT_EX Enhanced Functionality
- Tools for Typesetting T_EX on BSD**
- Wrapping it up

Edd Barrett

Practical Typesetting with BSD

^ Capture 55 (timing = 0 h 16 m 30 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

→ T_EX Distribution

- There are two T_EX based typesetter suites for BSD:

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^ Capture 56 (timing = 0 h 16 m 46 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

→ T_EX Distribution

- There are two T_EX based typesetter suites for BSD:

teT_EX and T_EX Live

EuroBSDCon2008

Edd Barrett Practical Typesetting with BSD

^ Capture 57 (timing = 0 h 16 m 51 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

→ T_EX Distribution :: teT_EX

- Made by Thomas Esser.

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Edd Barrett Practical Typesetting with BSD

^ Capture 58 (timing = 0 h 17 m 7 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

→ T_EX Distribution :: teT_EX

- Made by Thomas Esser.
- First release 1994.

EuroBSDCon2008

Edd Barrett Practical Typesetting with BSD

^ Capture 59 (timing = 0 h 17 m 11 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

→ T_EX Distribution :: teT_EX

- Made by Thomas Esser.
- First release 1994.
- Deprecated May 2006.

EuroBSDCon2008

Edd Barrett Practical Typesetting with BSD

^ Capture 60 (timing = 0 h 17 m 15 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

→ T_EX Distribution :: teT_EX

- Made by Thomas Esser.
- First release 1994.
- Deprecated May 2006.
- *NIX only.

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Edd Barrett Practical Typesetting with BSD

^ Capture 61 (timing = 0 h 17 m 39 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

→ T_EX Distribution :: teT_EX

- Made by Thomas Esser.
- First release 1994.
- Deprecated May 2006.
- *NIX only.
- Still widely used.

EuroBSDCon2008

Edd Barrett Practical Typesetting with BSD

^ Capture 62 (timing = 0 h 17 m 49 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

→ T_EX Distribution

- There are two T_EX based typesetter suites for BSD:

EuroBSDCon2008

Edd Barrett Practical Typesetting with BSD

^ Capture 63 (timing = 0 h 17 m 55 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
	→ T _E X Distribution :: teT _E X	
<ul style="list-style-type: none"> ■ Made by Thomas Esser. ■ First release 1994. 		
Edd Barrett		Practical Typesetting with BSD

^ Capture 64 (timing = 0 h 18 m 0 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
	→ T _E X Distribution :: teT _E X	
<ul style="list-style-type: none"> ■ Made by Thomas Esser. ■ First release 1994. ■ Deprecated May 2006. ■ *NIX only. ■ Still widely used. 		
Edd Barrett		Practical Typesetting with BSD

^ Capture 65 (timing = 0 h 18 m 2 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

→ T_EX Distribution :: T_EX Live

- Initiated by Sebastian Rahtz.

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Edd Barrett Practical Typesetting with BSD

^ Capture 66 (timing = 0 h 18 m 3 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

→ T_EX Distribution :: T_EX Live

- Initiated by Sebastian Rahtz.
- Used some of the teT_EX sources.

EuroBSDCon2008

Edd Barrett Practical Typesetting with BSD

^ Capture 67 (timing = 0 h 18 m 29 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
	→ T _E X Distribution :: T _E X Live	
<ul style="list-style-type: none"> ■ Initiated by Sebastian Rahtz. ■ Used some of the teT_EX sources. ■ First release May 1996. 		
Edd Barrett Practical Typesetting with BSD		

^ Capture 68 (timing = 0 h 18 m 31 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
	→ T _E X Distribution :: T _E X Live	
<ul style="list-style-type: none"> ■ Initiated by Sebastian Rahtz. ■ Used some of the teT_EX sources. ■ First release May 1996. ■ Supports both *NIX and Windows. 		
Edd Barrett Practical Typesetting with BSD		

^ Capture 69 (timing = 0 h 18 m 34 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
	→ T _E X Distribution :: T _E X Live	
<ul style="list-style-type: none"> ■ Initiated by Sebastian Rahtz. ■ Used some of the teT_EX sources. ■ First release May 1996. ■ Supports both *NIX and Windows. ■ Very comprehensive (license permitting). 		
Edd Barrett Practical Typesetting with BSD		

^ Capture 70 (timing = 0 h 18 m 45 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
	→ T _E X Distribution :: T _E X Live	
<ul style="list-style-type: none"> ■ Initiated by Sebastian Rahtz. ■ Used some of the teT_EX sources. ■ First release May 1996. ■ Supports both *NIX and Windows. ■ Very comprehensive (license permitting). ■ Starting to be adopted by OS packagers. 		
Edd Barrett Practical Typesetting with BSD		

^ Capture 71 (timing = 0 h 19 m 21 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
	→ T _E X Distribution :: T _E X Live <ul style="list-style-type: none"> ■ Initiated by Sebastian Rahtz. ■ Used some of the teT_EX sources. ■ First release May 1996. ■ Supports both *NIX and Windows. ■ Very comprehensive (license permitting). ■ Starting to be adopted by OS packagers. ■ Network installer included. 	
Edd Barrett		Practical Typesetting with BSD

^ Capture 72 (timing = 0 h 19 m 53 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T_EX Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
	→ Text Editor <ul style="list-style-type: none"> ■ General Purpose Editors T_EX macro source is plain text, so a normal editor will suffice. 	
Edd Barrett		Practical Typesetting with BSD

^ Capture 73 (timing = 0 h 20 m 28 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T _E X Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

→ Text Editor

- General Purpose Editors
 T_EX macro source is plain text, so a normal editor will suffice.
 - Vi(m).

EuroBSDCon2008

Edd Barrett Practical Typesetting with BSD

^ Capture 74 (timing = 0 h 20 m 44 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T _E X Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

→ Text Editor

- General Purpose Editors
 T_EX macro source is plain text, so a normal editor will suffice.
 - Vi(m).
 - Emacs.
 - AucT_EX.

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Edd Barrett Practical Typesetting with BSD

^ Capture 75 (timing = 0 h 20 m 50 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T _E X Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

→ Text Editor

- General Purpose Editors
 - T_EX macro source is plain text, so a normal editor will suffice.
 - Vi(m).
 - Emacs.
 - AucT_EX.
 - All the rest. Kate, Gedit, Pico, Nano, Nedit, Ed? ...

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Edd Barrett Practical Typesetting with BSD

^ Capture 76 (timing = 0 h 21 m 17 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T _E X Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

→ Text Editor

- General Purpose Editors
 - T_EX macro source is plain text, so a normal editor will suffice.
 - Vi(m).
 - Emacs.
 - AucT_EX.
 - All the rest. Kate, Gedit, Pico, Nano, Nedit, Ed? ...
- Specialised T_EX Editors/Environments.
 - T_EXMaker.
 - Kyle.
 - T_EXWorks.
 - Lyx (WYSIWYMG).

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Edd Barrett Practical Typesetting with BSD

^ Capture 77 (timing = 0 h 21 m 34 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X ₃ T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T _E X Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

EuroBSDCon2008

→ Document Previewer

- With T_EX you work mostly with DVI or PDF.

¹Proprietary and under Linux compatibility.

Edd Barrett
Practical Typesetting with BSD

^ Capture 78 (timing = 0 h 25 m 42 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X ₃ T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T _E X Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

EuroBSDCon2008

→ Document Previewer

- With T_EX you work mostly with DVI or PDF.
- Lots of different viewers for BSD.

¹Proprietary and under Linux compatibility.

Edd Barrett
Practical Typesetting with BSD

^ Capture 79 (timing = 0 h 25 m 53 s)

What is Typesetting?
A Quick Introduction To \TeX
What Can \TeX do for You?
 \XeTeX Enhanced Functionality
Tools for Typesetting \TeX on BSD
Wrapping it up

\TeX Distribution
Text Editor
Document Previewer
Spell Checker
Graphics Editors/Viewers
Print Spooler

EuroBSDCon2008

→ Document Previewer

- With \TeX you work mostly with DVI or PDF.
- Lots of different viewers for BSD.

Program	DVI	PDF	KDE	Gnome
Xpdf		•		
Kdvi	•		• 3	
Okular	•	•	• 4	
Evince	•	•		•
Epdfview		•		
Acroread ¹		•		

¹Proprietary and under Linux compatibility.

Edd Barrett
Practical Typesetting with BSD

^ Capture 80 (timing = 0 h 26 m 3 s)

What is Typesetting?
A Quick Introduction To \TeX
What Can \TeX do for You?
 \XeTeX Enhanced Functionality
Tools for Typesetting \TeX on BSD
Wrapping it up

\TeX Distribution
Text Editor
Document Previewer
Spell Checker
Graphics Editors/Viewers
Print Spooler

EuroBSDCon2008

→ Spell Checker

- There are a number of \TeX aware spell checkers:
 - Ispell.
 - Aspell.
 - Hunspell.

Edd Barrett
Practical Typesetting with BSD

^ Capture 81 (timing = 0 h 26 m 36 s)

What is Typesetting?
A Quick Introduction To T_EX
What Can T_EX do for You?
X_YT_EX Enhanced Functionality
Tools for Typesetting T_EX on BSD
Wrapping it up

T_EX Distribution
Text Editor
Document Previewer
Spell Checker
Graphics Editors/Viewers
Print Spooler

EuroBSDCon2008

→ Spell Checker

- There are a number of T_EX aware spell checkers:
 - Ispell.
 - Aspell.
 - Hunspell.
- Internal to your text editor?
 - Vim (Built in).
 - Emacs (Flyspell).

Edd BarrettPractical Typesetting with BSD

^ Capture 82 (timing = 0 h 27 m 3 s)

What is Typesetting?
A Quick Introduction To T_EX
What Can T_EX do for You?
X_YT_EX Enhanced Functionality
Tools for Typesetting T_EX on BSD
Wrapping it up

T_EX Distribution
Text Editor
Document Previewer
Spell Checker
Graphics Editors/Viewers
Print Spooler

EuroBSDCon2008

→ Graphics Editors/Viewers

- Gimp.

Edd BarrettPractical Typesetting with BSD

^ Capture 83 (timing = 0 h 27 m 53 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T _E X Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

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→ Graphics Editors/Viewers

- Gimp.
- Feh.

Edd Barrett Practical Typesetting with BSD

^ Capture 84 (timing = 0 h 27 m 59 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T _E X Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

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→ Graphics Editors/Viewers

- Gimp.
- Feh.
- Xv.

Edd Barrett Practical Typesetting with BSD

^ Capture 85 (timing = 0 h 28 m 9 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T _E X Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

→ Graphics Editors/Viewers

- Gimp.
- Feh.
- Xv.
- Many, many, so many more...

EuroBSDCon2008

Edd Barrett Practical Typesetting with BSD

^ Capture 86 (timing = 0 h 28 m 19 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T _E X Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

→ Print Spooler

- Lpd.

EuroBSDCon2008

Edd Barrett Practical Typesetting with BSD

^ Capture 87 (timing = 0 h 28 m 24 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T _E X Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

EuroBSDCon2008

→ Print Spooler

- Lpd.
- Lprng.

Edd Barrett	Practical Typesetting with BSD
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^ Capture 88 (timing = 0 h 29 m 5 s)

What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T _E X Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
---	---

EuroBSDCon2008

→ Print Spooler

- Lpd.
- Lprng.
- Cups.

Edd Barrett	Practical Typesetting with BSD
-------------	--------------------------------

^ Capture 89 (timing = 0 h 29 m 7 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T _E X Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
	→ Print Spooler <ul style="list-style-type: none"> ■ Lpd. ■ Lprng. ■ Cups. ■ Apsfilter. 	
Edd Barrett		Practical Typesetting with BSD

^ Capture 90 (timing = 0 h 29 m 33 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T_EX on BSD Wrapping it up	T _E X Distribution Text Editor Document Previewer Spell Checker Graphics Editors/Viewers Print Spooler
	→ Print Spooler <ul style="list-style-type: none"> ■ Lpd. ■ Lprng. ■ Cups. ■ Apsfilter. ■ <i>dvips</i> and <i>pdf2ps</i> can help converting to postscript. 	
Edd Barrett		Practical Typesetting with BSD

^ Capture 91 (timing = 0 h 29 m 55 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for <i>You</i> ? X ₃ T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Try It! Resources / Getting Help Conclusion
	1	What is Typesetting?
	2	A Quick Introduction To T _E X
	3	What Can T _E X do for <i>You</i> ?
	4	X ₃ T _E X Enhanced Functionality
	5	Tools for Typesetting T _E X on BSD
6	Wrapping it up	
Edd Barrett		Practical Typesetting with BSD

^ Capture 92 (timing = 0 h 30 m 17 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for <i>You</i> ? X ₃ T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Try It! Resources / Getting Help Conclusion
	→ Try It!	
■ Try it out. See what you think!		
Edd Barrett		Practical Typesetting with BSD

^ Capture 93 (timing = 0 h 30 m 20 s)

What is Typesetting?
A Quick Introduction To \TeX
What Can \TeX do for You?
 $\text{\texttt{X}\TeX}$ Enhanced Functionality
Tools for Typesetting \TeX on BSD
Wrapping it up

Try It!
Resources / Getting Help
Conclusion

EuroBSDCon2008

→ Try It!

- Try it out. See what you think!
 - OpenBSD.
Packages available on FTP servers.

Edd BarrettPractical Typesetting with BSD

^ Capture 94 (timing = 0 h 30 m 27 s)

What is Typesetting?
A Quick Introduction To \TeX
What Can \TeX do for You?
 $\text{\texttt{X}\TeX}$ Enhanced Functionality
Tools for Typesetting \TeX on BSD
Wrapping it up

Try It!
Resources / Getting Help
Conclusion

EuroBSDCon2008

→ Try It!

- Try it out. See what you think!
 - OpenBSD.
Packages available on FTP servers.
 - MacOS X.
Via the MacPorts project (or Mac \TeX).

Edd BarrettPractical Typesetting with BSD

^ Capture 95 (timing = 0 h 30 m 45 s)

What is Typesetting?
A Quick Introduction To $\text{T}_{\text{E}}\text{X}$
What Can $\text{T}_{\text{E}}\text{X}$ do for You?
 $\text{X}_{\text{E}}\text{T}_{\text{E}}\text{X}$ Enhanced Functionality
Tools for Typesetting $\text{T}_{\text{E}}\text{X}$ on BSD
Wrapping it up

Try It!
Resources / Getting Help
Conclusion

EuroBSDCon2008

→ Try It!

- Try it out. See what you think!
 - OpenBSD.
Packages available on FTP servers.
 - MacOS X.
Via the MacPorts project (or $\text{MacT}_{\text{E}}\text{X}$).
 - Other systems.
Via the net installer.
Anyone interested in porting?

Edd Barrett
Practical Typesetting with BSD

^ Capture 96 (timing = 0 h 30 m 53 s)

What is Typesetting?
A Quick Introduction To $\text{T}_{\text{E}}\text{X}$
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Via the net installer.
Anyone interested in porting?
- Source code of these slides available.

Edd Barrett
Practical Typesetting with BSD

^ Capture 97 (timing = 0 h 31 m 18 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Try It! Resources / Getting Help Conclusion
	→ Resources / Getting Help	
<ul style="list-style-type: none"> ■ texdoc (Local class + package docs). ■ CTAN (Finding new classes and packages). ■ Google! ■ comp.text.tex (General T_EX). ■ T_EX Live mailing list (TL specific). ■ My T_EX resources page: http://students.dec.bmth.ac.uk/ebarrett/texlinks/ ■ Myself (OpenBSD specific problems). 		
Edd Barrett Practical Typesetting with BSD		

^ Capture 98 (timing = 0 h 32 m 2 s)

EuroBSDCon2008	What is Typesetting? A Quick Introduction To T _E X What Can T _E X do for You? X _Y T _E X Enhanced Functionality Tools for Typesetting T _E X on BSD Wrapping it up	Try It! Resources / Getting Help Conclusion
	→ Conclusion	
<p>Thanks for Listening!</p> <p>Any Questions?</p>		
Edd Barrett Practical Typesetting with BSD		

^ Capture 99 (timing = 0 h 32 m 10 s)