

The file `slides.fdd` for use with $\text{\LaTeX} 2_{\epsilon}$.*

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1 Introduction

This file contains the external font information for special variants of the the Computer Modern fonts to be used for overhead slides. They allow to produce slides in a similar fashion as it was originally done by \SUTEX .

With $\text{\LaTeX} 2_{\epsilon}$ it is now no longer necessary to maintain a special format. Instead the standard format may be used and internally only different font definition files come into play.

Note, that that you therefore can easily produce slides in different fonts just by calling an appropriate package (like `times`) in your `\usepackage` command. This works, for example, with all fonts that are defined to be scalable (eg PostScript fonts) since they can be scaled to any size.

However, minor styles like `pandora` won't work because the standard `.fd` files shipped with $\text{\LaTeX} 2_{\epsilon}$ only contain small sizes. You can, of course, produce additional sizes and change the `.fd` files accordingly, but in this case it might be better to distinguish `.fd` files for normal text and for slides by prefixing the family name with an `l` (see below).

All the standard family names for \SUTEX fonts start out with with an `l` as the first character. This will distinguish them from text font families with similar names.

In addition, we introduce an additional convention for shapes: if x is a shape, then Ix represents the invisible form of the shape. This is used by the color separation macros and the `\invisible` command of the slides style file.

2 A driver for this document

The next bit of code contains the documentation driver file for \TeX , i.e., the file that will produce the documentation you are currently reading. It will be extracted from this file by the `DOCSTRIP` program.

```
1 <*driver>
2 \documentclass{ltxdoc}
```

*This file has version number v2.2c, dated 1997/05/26.

```

3 %\DisableCrossrefs % Say \DisableCrossrefs if index is ready
4 \RecordChanges % Gather update information
5 %\OnlyDescription % comment out for implementation details
6 %\OldMakeindex % use if your MakeIndex is pre-v2.9
7 \begin{document}
8 \DocInput{slides.fdd}
9 \end{document}
10 \driver

```

3 The DOCSTRIP modules

The following modules are used to direct DOCSTRIP in generating external files:

driver	produce a documentation driver file
main	generate <code>sfonts.def</code>
fd	produce a font definition file
ec	Use the extended EC font set rather than cm
lccr	Concrete Roman slide sizes
lcmss	Computer Modern Sans slide sizes
lcmtt	Computer Modern Typewriter slide sizes
lcmm	Computer Modern Math italic slide sizes
lcmm	Computer Modern Math symbols slide sizes
lcmex	Computer Modern Math extension symbols slide sizes
llasy	L ^A T _E X symbols slide sizes

A typical DOCSTRIP command file would then have entries like:

```
\generateFile{OMSlcmssy.fd}{t}{\from{slides.fdd}{lcmssy,fd}}
```

4 The font definition files

4.1 Concrete Roman

```

11 \*lccr
12 \DeclareFontFamily{OT1}{lccr}{\hyphenchar\font45 }
13 \DeclareFontShape{OT1}{lccr}{m}{sc}{%
14 <7><8><10><12><13.82><16.59><19.907><23.89><28.66><34.4><41.28>ccsc10%
15 }{}
16 \DeclareFontShape{OT1}{lccr}{m}{sl}{%
17 <7><8><10><12><13.82><16.59><19.907><23.89><28.66><34.4><41.28>ccslc9%
18 }{}
19 \DeclareFontShape{OT1}{lccr}{m}{n}{%
20 <7><8><10><12><13.82><16.59><19.907><23.89><28.66><34.4><41.28>ccr8%
21 }{}
22 \DeclareFontShape{OT1}{lccr}{m}{In}{%
23 <7><8><10><12><13.82><16.59><19.907><23.89><28.66><34.4><41.28>iccr8%
24 }{}
25 \lccr

```

4.2 Computer Modern Sans

```
26 <!*cmss>
27 <!ec> \DeclareFontFamily{OT1}{lcmss}{\hyphenchar\font45 }
28 <ec> \DeclareFontFamily{T1}{lcmss}{}

29 <!ec> \DeclareFontShape{OT1}{lcmss}{m}{n}{%
30 <ec> \DeclareFontShape{T1}{lcmss}{m}{n}{%
31 <7><8><10><12><13.82><16.59><19.907><23.89><28.66><34.4><41.28>%
32 <!ec> lcmss8%
33 <ec> eclq8%
34 }{}

35 <!ec> \DeclareFontShape{OT1}{lcmss}{m}{In}{%
36 <ec> \DeclareFontShape{T1}{lcmss}{m}{In}{%
37 <7><8><10><12><13.82><16.59><19.907><23.89><28.66><34.4><41.28>%
38 <!ec> ilcmss8%
39 <ec> ieclq8%
40 }{}

41 <!ec> \DeclareFontShape{OT1}{lcmss}{m}{sl}{%
42 <ec> \DeclareFontShape{T1}{lcmss}{m}{sl}{%
43 <13.82><16.59><19.907><23.89><28.66><34.4><41.28>%
44 <!ec> lcmssi8%
45 <ec> eccli8%
46 }{}

47 <!ec> \DeclareFontShape{OT1}{lcmss}{m}{Isl}{%
48 <ec> \DeclareFontShape{T1}{lcmss}{m}{Isl}{%
49 <13.82><16.59><19.907><23.89><28.66><34.4><41.28>%
50 <!ec> ilcmssi8%
51 <ec> iecli8%
52 }{}

53 <!ec> \DeclareFontShape{OT1}{lcmss}{m}{it}{%
54 <ec> \DeclareFontShape{T1}{lcmss}{m}{it}{%
55 <->sub*lcmss/m/sl}{}

56 <!ec> \DeclareFontShape{OT1}{lcmss}{m}{Iit}{%
57 <ec> \DeclareFontShape{T1}{lcmss}{m}{Iit}{%
58 <->sub*lcmss/m/Isl}{}

59 <!ec> \DeclareFontShape{OT1}{lcmss}{bx}{n}{%
60 <ec> \DeclareFontShape{T1}{lcmss}{bx}{n}{%
61 <13.82><16.59><19.907><23.89><28.66><34.4><41.28>%
62 <!ec> lcmssb8%
63 <ec> eclb8%
64 }{}

65 <!ec> \DeclareFontShape{OT1}{lcmss}{bx}{In}{%
66 <ec> \DeclareFontShape{T1}{lcmss}{bx}{In}{%
67 <13.82><16.59><19.907><23.89><28.66><34.4><41.28>%
68 <!ec> ilcmssb8%
69 <ec> ieclb8%
70 }{}

```

EC fonts have a bold slanted font for the slides class.

```
71 <*ec>
72 \DeclareFontShape{T1}{lcmss}{bx}{sl}{%
73     <13.82><16.59><19.907><23.89><28.66><34.4><41.28>%
74     eclo8%
75     }{}
76 \DeclareFontShape{T1}{lcmss}{bx}{Is1}{%
77     <13.82><16.59><19.907><23.89><28.66><34.4><41.28>%
78     ieclo8%
79     }{}
80 \DeclareFontShape{T1}{lcmss}{bx}{it}{%
81     <->sub*lcmss/bx/sl{}
82 \DeclareFontShape{T1}{lcmss}{bx}{Iit}{%
83     <->sub*lcmss/bx/Is1{}
84 </ec>
```

There are extra substitutions for the shape ui which are needed for \pounds to not come out as a \$ sign (mostly).

```
85 <!*ec>
86 \DeclareFontShape{OT1}{lcmss}{m}{ui}{%
87     <->sub*cmr/m/ui{}
88 \DeclareFontShape{OT1}{lcmss}{bx}{ui}{%
89     <->sub*cmr/m/ui{}
90 </!ec>
91 </lcmss>
```

4.3 Computer Modern Typewriter

```
92 <*lcmtt>
93 <!ec> \DeclareFontFamily{OT1}{lcmtt}{\hyphenchar\font\m@ne}
94 <ec> \DeclareFontFamily{T1}{lcmtt}{\hyphenchar\font\m@ne}
95 <!ec> \DeclareFontShape{OT1}{lcmtt}{m}{n}{%
96 <ec> \DeclareFontShape{T1}{lcmtt}{m}{n}{%
97     <13.82><16.59><19.907><23.89><28.66><34.4><41.28>%
98 <!ec> cmtt8%
99 <ec> ecltt8%
100     }{}
101 <!ec> \DeclareFontShape{OT1}{lcmtt}{m}{In}{%
102 <ec> \DeclareFontShape{T1}{lcmtt}{m}{In}{%
103     <13.82><16.59><19.907><23.89><28.66><34.4><41.28>%
104 <!ec> icmtt8%
105 <ec> iec1tt8%
106     }{}
107 <!ec> \DeclareFontShape{OT1}{lcmtt}{m}{it}{%
108 <ec> \DeclareFontShape{T1}{lcmtt}{m}{it}{%
109     <13.82><16.59><19.907><23.89><28.66><34.4><41.28>%
110 <!ec> cmitt10%
111 <ec> ecit1000%
```

```
112     }{}
```

There are extra substitutions for the shape `ui` which are needed for `\pounds` to not come out as a \$ sign (mostly).

```
113 \!ec
114 \DeclareFontShape{OT1}{lcmtt}{m}{ui}{%
115     <->sub*cmitt/m/it}{}
116 \DeclareFontShape{OT1}{lcmtt}{bx}{ui}{%
117     <->sub*cmitt/m/it}{}
118 \!ec
119 \lcmitt
```

4.4 Computer Modern Math

```
120 \!lcmmm
121 \DeclareFontFamily{OML}{lcmmm}{\skewchar\font'177}
122 \DeclareFontShape{OML}{lcmmm}{m}{it}{%
123     <7><8><10><12><13.82><16.59><19.907><23.89><28.66><34.4><41.28>cmmi8%
124     }{}
125 \DeclareFontShape{OML}{lcmmm}{m}{Iit}{%
126     <7><8><10><12><13.82><16.59><19.907><23.89><28.66><34.4><41.28>icmmi8%
127     }{}
128 \lcmmm
```

4.5 Computer Modern Symbol

```
129 \!lcmsy
130 \DeclareFontFamily{OMS}{lcmsy}{\skewchar\font'60}
131 \DeclareFontShape{OMS}{lcmsy}{m}{n}{%
132     <7><8><10><12><13.82><16.59><19.907><23.89><28.66><34.4><41.28>cmsy8%
133     }{}
134 \DeclareFontShape{OMS}{lcmsy}{m}{In}{%
135     <7><8><10><12><13.82><16.59><19.907><23.89><28.66><34.4><41.28>icmsy8%
136     }{}
137 \lcmsy
```

4.6 Computer Modern large symbols

```
138 \!lcmex
139 \DeclareFontFamily{OMX}{lcmex}{}
140 \DeclareFontShape{OMX}{lcmex}{m}{n}{%
141     <->sfixed*[17.28]cmex10%
142     }{}
143 \DeclareFontShape{OMX}{lcmex}{m}{In}{%
144     <->sfixed*[17.28]icmex10%
145     }{}
146 \lcmex
```

4.7 L^AT_EX symbols

```
147 \!llasy
```

```

148 \DeclareFontFamily{U}{llasy}{-}{-}
149 \DeclareFontShape{U}{llasy}{m}{n}{%
150     <12><13.82><16.59><19.907><23.89><28.66><34.4><41.28>lasys8%
151 }{}
152 \DeclareFontShape{U}{llasy}{m}{In}{%
153     <13.82><16.59><19.907><23.89><28.66><34.4><41.28>ilasys8%
154 }{}
155 \llasy

```

5 Setting defaults

The following statements go into the file `sfonts.def` which plays a rôle similar to `fontdef.ltx`. Thus, you may want to produce your own local variant of it if you intend to use different fonts in your slides.

```

156 <*main>
157 \DeclareErrorFont{OT1}{lcmss}{m}{n}{19.907}
158 \DeclareFontSubstitution{OT1}{lcmss}{m}{n}
159 \input ot1lcmss.fd
160 </main>

```

The next line goes into all files and in addition prevents DOCSTRIP from adding any further code from the main source file (such as a character table.

```
161 \endinput
```

Change History

FMi	v2.1c
General: <code>\gdef\@slidesw ...</code> replaced by a <code>\newifG</code> which is similar to <code>\newif</code> but uses <code>\global</code> inside. 22	General: Added group around first arg. 36
	v2.1d
	General: Corrected typo, A4 is not 279 mm high 3
v2.0b	<code>\cal</code> : Macro added 20
General: Corrected <code>\frac</code> command. 36	<code>\mit</code> : Macro added 20
	v2.1e
v2.0d	General: Removed again different definitions for font commands font commands in non-compatibility mode. 1
<code>\@setfontsize@parms</code> : Replaced all pt by <code>\p@</code> , corrected definition for <code>\tiny</code> 6	
General: Corrected <code>\@math</code> to <code>\m@th</code> in definition of <code>\underline</code> . . . 35	v2.2
Removed <code>\vcenter</code> in <code>\@frac</code> . 36	General: Changes to make it work with compatibility mode. 1
Removed extra blank. 30, 34	<code>\bf</code> : Changed <code>\@newfontswitch</code> to <code>\@renewfontswitch</code> 20
v2.1b	<code>\sc</code> : Changed <code>\@newfontswitch</code> to <code>\@renewfontswitch</code> 20
General: Removed <code>\CodelineIndex</code> from the driver code. 1	

\sf: Changed \@newfontswitch to \@renewfontswitch.	20	General: Changed documentation to use 'environment' instead of 'macro' environment for envi- ronments	1
v2.2a			
General: Removed float parms ...	1		
v2.2d		v2.3e	
General: Removed \@normalsize definition	1	General: twocolumn produces only a warning	4
v2.2e		v2.3f	
General: Corrected entry for size 23.89.	7	General: Wrapped two long lines .	1
v2.2g		v2.3g	
General: Added fleqn option.	5	General: Use \InputIfFileExists instead of \IfFileExists and \input instead of @@input ...	2
Moved driver up front.	1	Use \input instead of @@input	2
Option leqno loads leqno.clo file.	4	v2.3j	
Removed option makeidx.	1	General: fixed a few typos	20
Renamed files slides.ltx and sfontdef.ltx to slides.def and sfonds.def.	1	v2.3k	
v2.2h		\labelenumiv: Handle the \label... commands as in the other class files	18
General: Removed declared option twoside.	4	\mit: Now define \cal and \mit us- ing \DeclareRobustCommand*	20
v2.2i		v2.3l	
\@makefntext: Always call \@makefnmark.	21	General: Added the declaration of the lasy font family	32
General: Corrected first argument of \IfFileExists: sfonds.def to sfonds.cfg.	2	Use \newcommand* to define com- mands with an argument	1
v2.2j		v2.3m	
General: Corrected \@oval, like previous change to latex.dtx.	32	General: (DPC) Add \@framebox defn.	34
v2.2l		(DPC) Remove old \@ifframebox and \fbox defn	34
General: Removed \typeouts	1	v2.3n	
v2.3		General: a slight documentation fix (PR 1517)	1
General: Added clock option (LL)	1	v2.3q	
Added titlepage option and \maketitle. (LL)	1	General: Wrap some long lines, and use \null.	13
Modified slide, overlay, note en- vironments. (LL)	1	v2.3s	
Removed root/slide-file structure except for compatibility mode. (LL)	1	General: Move \par inside the scope of \Large, to get even line spacing.	22
v2.3a		v2.3t	
\sf: \@renewfontswitch has be- come \DeclareOldFontCommand	20	General: Change in \cline calling interface	37
v2.3c		v2.3u	
\@maxdepth: Added setting of \maxdepth and \@maxdepth ..	10	General: Make include work: pr/2140(CAR)	23

v2.3v	General: Do not add page counter here as it is added below(CAR) 23	v2.3y	General: Make include work properly: add the counters in case some are already in there: pr/2140+2474(CAR) 23
v2.3w	General: Removed use of obsolete command <code>\@@sqrt</code> (CAR) ... 37	v2.3z	<code>\@listvi</code> : Add initialization of <code>\leftmargin</code> to <code>\@listi</code> 16
v2.3x	<code>\labelitemii</code> : replaced -- with <code>\textendash</code> 18		

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Numbers written in *italic* refer to the page where the corresponding entry is described, the ones underlined to the code line of the definition, the rest to the code lines where the entry is used.

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