The **rawfonts** package

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v0.01

Overview

The `rawfonts` LaTeX 2ε package is used to provide emulation of LaTeX 2.09 documents which used low-level commands such as `\tenrm`. If you say:

```
\usepackage{rawfonts}
```

then over sixty fonts such as `\tenrm` will be loaded into LaTeX. This has a large overhead, for example this document uses:

```
8221 words of font info for 30 fonts
```

but when run with the `rawfonts` package it uses:

```
19294 words of font info for 73 fonts
```

That is `rawfonts` can cause your document to load twice as many fonts. (This overhead is why LaTeX 2ε does not define `\tenrm` and friends by default.)

If you want to only load a small number of fonts, you can use the `only` option, for example to only load `\tenrm` and `\tensf`:

```
\usepackage[only,tenrm,tensf]{rawfonts}
```

The `rawfonts` package is intended mainly for use with LaTeX 2.09 documents, and you might want to have the package loaded every time you use LaTeX 2ε in compatibility mode. In this case, you should add the line:

```
\RequirePackage{rawfonts}
```

to your `latex209.cfg` LaTeX 2.09 compatibility configuration file.

Implementation

The driver for the documentation you're now reading.

```
1 ⟨*driver⟩
2 \documentclass{ltxdoc}
3 \begin{document}
4 \DocInput{rawfonts.dtx}
5 \end{document}
6 ⟨/driver⟩
```

This is a LaTeX 2ε package.

```
7 ⟨*package⟩
8 \NeedsTeXFormat{LaTeX2e}
9 \ProvidesPackage{rawfonts}
10    [1994/05/08 Low-level LaTeX 2.09 font compatibility]
```

The `rawfonts` package uses the `somedefs` package.

```
11 \RequirePackage{somedefs}
```

By default, all the fonts are loaded, but the `only` option says that only the ones specified as options should be.

```
12 \UseAllDefinitions
13 \DeclareOption{only}{\UseSomeDefinitions}
14 \DeclareOption*{\UseDefinition{\CurrentOption}}
15 \ProcessOptions
```

The rest of the code loads fonts. Five point:

```
16 \ProvidesDefinition{\DeclareFixedFont{\fivrm}{OT1}{cmr}{m}{n}{\@vpt}}
17 \ProvidesDefinition{\DeclareFixedFont{\fivmi}{OML}{cmm}{m}{it}{\@vpt}}
18 \ProvidesDefinition{\DeclareFixedFont{\fivsy}{OMS}{cmsy}{m}{n}{\@vpt}}
19 \ProvidesDefinition{\DeclareFixedFont{\fivly}{U}{lasy}{m}{n}{\@vpt}}
```

Six point:

```
20 \ProvidesDefinition{\DeclareFixedFont{\sixrm}{OT1}{cmr}{m}{n}{\@vipt}}
21 \ProvidesDefinition{\DeclareFixedFont{\sixmi}{OML}{cmm}{m}{it}{\@vipt}}
22 \ProvidesDefinition{\DeclareFixedFont{\sixsy}{OMS}{cmsy}{m}{n}{\@vipt}}
23 \ProvidesDefinition{\DeclareFixedFont{\sixly}{U}{lasy}{m}{n}{\@vipt}}
```

Seven point:

```
24 \ProvidesDefinition{\DeclareFixedFont{\sevrm}{OT1}{cmr}{m}{n}{\@viipt}}
25 \ProvidesDefinition{\DeclareFixedFont{\sevmi}{OML}{cmm}{m}{it}{\@viipt}}
26 \ProvidesDefinition{\DeclareFixedFont{\sevsy}{OMS}{cmsy}{m}{n}{\@viipt}}
27 \ProvidesDefinition{\DeclareFixedFont{\sevit}{OT1}{cmr}{m}{it}{\@viipt}}
28 \ProvidesDefinition{\DeclareFixedFont{\sevly}{U}{lasy}{m}{n}{\@viipt}}
```

Eight point:

```
29 \ProvidesDefinition{\DeclareFixedFont{\egtrm}{OT1}{cmr}{m}{n}{\@viiipt}}
30 \ProvidesDefinition{%
31                     \DeclareFixedFont{\egtmi}{OML}{cmm}{m}{it}{\@viiipt}}
32 \ProvidesDefinition{%
33                     \DeclareFixedFont{\egtsy}{OMS}{cmsy}{m}{n}{\@viiipt}}
34 \ProvidesDefinition{%
35     \DeclareFixedFont{\egtit}{OT1}{cmr}{m}{it}{\@viiipt}}
36 \ProvidesDefinition{\DeclareFixedFont{\egtly}{U}{lasy}{m}{n}{\@viiipt}}
```

Nine point:

```
37 \ProvidesDefinition{\DeclareFixedFont{\ninrm}{OT1}{cmr}{m}{n}{\@ixpt}}
38 \ProvidesDefinition{\DeclareFixedFont{\ninmi}{OML}{cmm}{m}{it}{\@ixpt}}
39 \ProvidesDefinition{\DeclareFixedFont{\ninsy}{OMS}{cmsy}{m}{n}{\@ixpt}}
40 \ProvidesDefinition{\DeclareFixedFont{\ninit}{OT1}{cmr}{m}{it}{\@ixpt}}
41 \ProvidesDefinition{\DeclareFixedFont{\ninbf}{OT1}{cmr}{bx}{n}{\@ixpt}}
42 \ProvidesDefinition{\DeclareFixedFont{\nintt}{OT1}{cmtt}{m}{n}{\@ixpt}}
43 \ProvidesDefinition{\DeclareFixedFont{\ninly}{U}{lasy}{m}{n}{\@ixpt}}
```

Ten point:

```
44 \ProvidesDefinition{\DeclareFixedFont{\tenrm}{OT1}{cmr}{m}{n}{\@xpt}}
45 \ProvidesDefinition{\DeclareFixedFont{\tenmi}{OML}{cmm}{m}{it}{\@xpt}}
46 \ProvidesDefinition{\DeclareFixedFont{\tensy}{OMS}{cmsy}{m}{n}{\@xpt}}
47 \ProvidesDefinition{\DeclareFixedFont{\tenit}{OT1}{cmr}{m}{it}{\@xpt}}
48 \ProvidesDefinition{\DeclareFixedFont{\tensl}{OT1}{cmr}{m}{sl}{\@xpt}}
49 \ProvidesDefinition{\DeclareFixedFont{\tenbf}{OT1}{cmr}{bx}{n}{\@xpt}}
50 \ProvidesDefinition{\DeclareFixedFont{\tentt}{OT1}{cmtt}{m}{n}{\@xpt}}
51 \ProvidesDefinition{\DeclareFixedFont{\tensf}{OT1}{cmss}{m}{n}{\@xpt}}
52 \ProvidesDefinition{\DeclareFixedFont{\tenly}{U}{lasy}{m}{n}{\@xpt}}
53 \ProvidesDefinition{\DeclareFixedFont{\tenex}{OMX}{cmex}{m}{n}{\@xpt}}
```

Eleven point:

```
54 \ProvidesDefinition{\DeclareFixedFont{\elvrm}{OT1}{cmr}{m}{n}{\@xipt}}
55 \ProvidesDefinition{\DeclareFixedFont{\elvmi}{OML}{cmm}{m}{it}{\@xipt}}
56 \ProvidesDefinition{\DeclareFixedFont{\elvsy}{OMS}{cmsy}{m}{n}{\@xipt}}
57 \ProvidesDefinition{\DeclareFixedFont{\elvit}{OT1}{cmr}{m}{it}{\@xipt}}
```

```
58 \ProvidesDefinition{\DeclareFixedFont{\elvsl}{OT1}{cmr}{m}{sl}{\@xipt}}
59 \ProvidesDefinition{\DeclareFixedFont{\elvbf}{OT1}{cmr}{bx}{n}{\@xipt}}
60 \ProvidesDefinition{\DeclareFixedFont{\elvtt}{OT1}{cmtt}{m}{n}{\@xipt}}
61 \ProvidesDefinition{\DeclareFixedFont{\elvsf}{OT1}{cmss}{m}{n}{\@xipt}}
62 \ProvidesDefinition{\DeclareFixedFont{\elvly}{U}{lasy}{m}{n}{\@xipt}}
```

Twelve point:

```
63 \ProvidesDefinition{\DeclareFixedFont{\twlrm}{OT1}{cmr}{m}{n}{\@xiipt}}
64 \ProvidesDefinition{\DeclareFixedFont{\twlmi}{OML}{cmm}{m}{it}{\@xiipt}}
65 \ProvidesDefinition{\DeclareFixedFont{\twlsy}{OMS}{cmsy}{m}{n}{\@xiipt}}
66 \ProvidesDefinition{\DeclareFixedFont{\twlit}{OT1}{cmr}{m}{it}{\@xiipt}}
67 \ProvidesDefinition{\DeclareFixedFont{\twlsl}{OT1}{cmr}{m}{sl}{\@xiipt}}
68 \ProvidesDefinition{\DeclareFixedFont{\twlbf}{OT1}{cmr}{bx}{n}{\@xiipt}}
69 \ProvidesDefinition{\DeclareFixedFont{\twltt}{OT1}{cmtt}{m}{n}{\@xiipt}}
70 \ProvidesDefinition{\DeclareFixedFont{\twlsf}{OT1}{cmss}{m}{n}{\@xiipt}}
71 \ProvidesDefinition{\DeclareFixedFont{\twlly}{U}{lasy}{m}{n}{\@xiipt}}
```

Fourteen point:

```
72 \ProvidesDefinition{\DeclareFixedFont{\frtnrm}{OT1}{cmr}{m}{n}{\@xivpt}}
73 \ProvidesDefinition{%
74                  \DeclareFixedFont{\frtnmi}{OML}{cmm}{m}{it}{\@xivpt}}
75 \ProvidesDefinition{%
76                  \DeclareFixedFont{\frtnsy}{OMS}{cmsy}{m}{n}{\@xivpt}}
77 \ProvidesDefinition{%
78                  \DeclareFixedFont{\frtnbf}{OT1}{cmr}{bx}{n}{\@xivpt}}
79 \ProvidesDefinition{\DeclareFixedFont{\frtnly}{U}{lasy}{m}{n}{\@xivpt}}
```

Seventeen point:

```
80 \ProvidesDefinition{%
81                  \DeclareFixedFont{\svtnrm}{OT1}{cmr}{m}{n}{\@xviipt}}
82 \ProvidesDefinition{%
83                  \DeclareFixedFont{\svtnmi}{OML}{cmm}{m}{it}{\@xviipt}}
84 \ProvidesDefinition{%
85                  \DeclareFixedFont{\svtnsy}{OMS}{cmsy}{m}{n}{\@xviipt}}
86 \ProvidesDefinition{%
87                  \DeclareFixedFont{\svtnbf}{OT1}{cmr}{bx}{n}{\@xviipt}}
88 \ProvidesDefinition{\DeclareFixedFont{\svtnly}{U}{lasy}{m}{n}{\@xviipt}}
```

Twenty point:

```
89 \ProvidesDefinition{\DeclareFixedFont{\twtyrm}{OT1}{cmr}{m}{n}{\@xxpt}}
90 \ProvidesDefinition{\DeclareFixedFont{\twtymi}{OML}{cmm}{m}{it}{\@xxpt}}
91 \ProvidesDefinition{\DeclareFixedFont{\twtysy}{OMS}{cmsy}{m}{n}{\@xxpt}}
92 \ProvidesDefinition{\DeclareFixedFont{\twtyly}{U}{lasy}{m}{n}{\@xxpt}}
```

Twenty-five point:

```
93 \ProvidesDefinition{\DeclareFixedFont{\twfvrm}{OT1}{cmr}{m}{n}{\@xxvpt}}
```

That's it.

```
94 ⟨/package⟩
```