The **rawfonts** package

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v0.01

> This file is maintained by the LATEX Project team.
> Bug reports can be opened (category `tools`) at
> https://latex-project.org/bugs.html.

Overview

The `rawfonts` LATEX 2_ε 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 2_ε 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 2_ε 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⟩
```