

# CronosPro Support for L<sup>A</sup>T<sub>E</sub>X

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## 1 Overview

The CronosPro package provides support for the CronosPro font family from Adobe. You can use these fonts in a  $\TeX$  document by adding the command

```
\usepackage{CronosPro}
```

to the preamble. This will change the sans serif text font only. If you want to use MyriadPro as your main font, add

```
\renewcommand{\familydefault}{\sfdefault}
```

to your preamble.

### Acknowledgements

CronosPro is heavily based on the MinionPro package by Achim Blumensath, Andreas Bühmann and Michael Zedler.

## 2 Interference with other packages

The CronosPro package automatically loads the following packages: textcomp and fontaxes. If you want to pass options to these packages you can either put the corresponding `\usepackage` command before the `\usepackage{CronosPro}` or you can include the options in the `\documentclass` command.

The CronosPro package includes support files for the microtype package (version 1.8 or higher), consult the package's documentation for further details.

There is also a slight incompatibility with the dcolumn package which expects all figures to have the same width. If you want to use this package you either have to specify the `mathtabular` option (this is the brute force solution, not recommended), or you can use the `\figureversion{tabular}` command to switch to tabular figures in front of every table (much better, but also more work). In addition, dcolumn sets figures in math mode, hence the choice of math figures (see Section 3) determines if text or lining figures are used.

## 3 Options

### Font selection

The following options specify which version of the fonts you want to use. The default settings are marked with an asterisk\*.

<code>smallfamily*</code>	use only regular and bold face
<code>medfamily</code>	use semibold face in addition to smallfamily
<code>noopticals*</code>	use only the optical size Text
<code>opticals</code>	use the optical sizes Caption, Text, Subhead, and Display
<code>slides</code>	use only the optical size Caption (useful for slides)

<code>normalsize*</code>	adapt optical sizes to the normal font size (10 pt, 11 pt, 12 pt)
<code>nonnormalsize</code>	use static settings for the optical sizes

Since CronosPro comes in only four different optical sizes we use a variable mapping from font size to the optical size. This means that, both for 10 pt and 11 pt documents, text set in `\small` size will use the Caption size. Sometimes it might be desirable to turn off this automatism – for instance, if you want to load the CronosPro package before the `\documentclass` command. In these cases you can use the `nonnormalsize` option to do so.

#### Miscellaneous options

<code>scale=&lt;factor&gt;</code>	scale the font size by <i>&lt;factor&gt;</i>
<code>footnotefigures</code>	use special figures for footnote marks, i.e., example <sup>6,9</sup> instead of example <sup>6,9</sup> . This option can only be used if the footnote marks consist <i>solely</i> of figures.

## 4 Figure selection

CronosPro offers four different figure versions. One can choose between *text figures* (lowercase figures) and *lining figures* (uppercase figures) and one can choose between *proportional figures* (figures with different widths) and *tabular figures* (all figures have the same width, useful mainly for tables).

	text figures	lining figures
proportional	o123456789	0123456789
tabular	o123456789	0123456789

The `\figureversion` command can be used to switch between different figure versions. Possible parameters are:

<code>text, osf</code>	text figures
<code>lining, lf</code>	lining figures
<code>tabular, tab</code>	tabular figures
<code>proportional, prop</code>	proportional figures

Usually it is desirable to set most text with proportional figures and to use tabular figures only in tables and lists. Unfortunately most  $\text{\LaTeX}$  document classes do not support fonts with several figure versions. Use the package `tabfigures` that patches some common document classes and packages (the standard  $\text{\LaTeX}$  classes, KOMA-Script, memoir, and amsmath) to use tabular figures at some places.

## 5 Additional font shapes and symbols

In addition to the normal small caps shape `sc` there is a letterspaced version called `ssc`. It is accessible via the commands `\sscshape` and `\textssc`. In order to use the `ssc` shape

throughout your document specify `\renewcommand{\scdefault}{\ssc}` in the preamble of your document.

Swash capitals like ‘*Canadian Mountain Holidays*’ are accessed via the `sw` fontshape and the commands `\swshape` and `\textsw`.

```

SC    THIS IS A SAMPLE TEXT
SSC   THIS IS A SAMPLE TEXT
sw    This is a Sample Text

```

Ornaments can be accessed via the `pifont` package with the command

```
\Pisymbol{CronosPro-Extra}{\langle number \rangle}
```

The available glyphs with their numbers are listed in the table below.

100	101	102	103	104	105	106	107	108	109	110	111	112
												

## 6 Language support

The following encodings are supported:

Latin OT1, T1, TS1, LY1

## 7 Searching for figures or for words containing ligatures in PDF documents

Searching for figures or for words containing ligatures in PDF documents may not be possible depending on the way the PDF file was created. The following table gives an overview of which glyphs may cause problems.

font version	program	problems
1.000	Ghostscript, pre-1.40 pdfTeX	LF/TOf, non-standard ligatures, swashes
1.001, 2.000	Ghostscript, pre-1.40 pdfTeX	LF/OsF/TOf, ligatures, swashes, small caps
1.00x	Distiller, dvipdfmx	LF/TOf
1.00x	pdfTeX 1.40	ok
2.000	Distiller, dvipdfmx, pdfTeX 1.40	ok

To make figures and ligatures searchable when using pdfTeX 1.40, you need to enable glyph-to-unicode translation and load the default mapping table:

```

\input glyptounicode
\pdfgentounicode=1

```

See the pdfTeX manual for details.

## 8 NFSS classification

Parenthesised combinations are provided via substitutions.

encoding	family	series	shape
OT1, T1, TS1, LY1	CronosPro-OsF, CronosPro-LF, CronosPro-TOf, CronosPro-TLF	m, b (sb, bx), eb	n, it (sl), sw <sup>1</sup> , sc, scit (scsl, scsw), ssc, sscit (sscs, sscsw)
U	CronosPro-Extra	m, b (sb, bx), eb	n, it (sl)

## 9 Version history

Version 0.1: First version

## 10 The main style file

### 10.1 Options

```

1 <*style>
2 \RequirePackage{kvoptions}
3 \SetupKeyvalOptions{
4   family = Cr,
5   prefix = Cr@
6 }

```

#### Font sets

The package CronosPro-FontDef adapts the font definitions to the requested font set (see section 12). So we simply pass on the relevant options including the font scale factor; only CronosPro integrals are handled here in CronosPro.

```

7 \DeclareStringOption[1.]{scale}
8 \newcommand\Cr@minionint@opticals{-NoOpticals}
9 \newcommand\Cr@minionint@bold{-Bold}
10 \DeclareVoidOption{slides}{%
11   \def\Cr@minionint@opticals{-NoOpticals}%
12   \PassOptionsToPackage{slides}{CronosPro-FontDef}}
13 \DeclareVoidOption{noopticals}{%
14   \def\Cr@minionint@opticals{-NoOpticals}%
15   \PassOptionsToPackage{noopticals}{CronosPro-FontDef}}
16 \DeclareVoidOption{opticals}{%
17   \def\Cr@minionint@opticals{}%

```

---

<sup>1</sup>via substitution in TS1 encoding

```

18 \PassOptionsToPackage{opticals}{CronosPro-FontDef}}
19 \DeclareVoidOption{smallfamily}{%
20   \def\Cr@minionint@bold{-Bold}%
21   \PassOptionsToPackage{smallfamily}{CronosPro-FontDef}}
22 \DeclareVoidOption{medfamily}{%
23   \def\Cr@minionint@bold{-Semibold}%
24   \PassOptionsToPackage{medfamily}{CronosPro-FontDef}}
25 %\DeclareVoidOption{fullfamily}{%
26 %  \def\Cr@minionint@bold{-Semibold}%
27 %  \PassOptionsToPackage{fullfamily}{CronosPro-FontDef}}
28 \DeclareVoidOption{normalsize}{%
29   \PassOptionsToPackage{normalsize}{CronosPro-FontDef}}
30 \DeclareVoidOption{nonnormalsize}{%
31   \PassOptionsToPackage{nonnormalsize}{CronosPro-FontDef}}

```

### Figure style

```

32 \newcommand\Cr@Text@Fig{OsF}
33 \newcommand\Cr@Math@Fig{OsF}
34 \newcommand\Cr@Text@Family{CronosPro-\Cr@Text@Fig}
35 \newcommand\Cr@Math@Family{CronosPro-\Cr@Math@Fig}
36 \newcommand\Cr@Math@TFamily{CronosPro-T\Cr@Math@Fig}
37 \newcommand\Cr@Math@LetterShape{it}

38 \DeclareVoidOption{textosf}{\def\Cr@Text@Fig{OsF}}
39 \DeclareVoidOption{textlf}{\def\Cr@Text@Fig{LF}}
40 \DeclareVoidOption{mathosf}{\def\Cr@Math@Fig{OsF}}
41 \DeclareVoidOption{mathlf}{\def\Cr@Math@Fig{LF}}
42 \DeclareVoidOption{osf}{\setkeys{Cr}{textosf,mathosf}}
43 \DeclareVoidOption{lf}{\setkeys{Cr}{textlf,mathlf}}
44 \DeclareVoidOption{mathtabular}{\let\Cr@Math@Family\Cr@Math@TFamily}

```

### Miscellaneous options

Footnote figures, extra spacing for the apostrophe.

```

45 \DeclareVoidOption{footnotefigures}{%
46   \def\@makefnmark{%
47     \begingroup
48     \normalfont
49     \fontfamily{CronosPro-Extra}\fontencoding{U}\selectfont
50     \@thefnmark
51     \endgroup}}
52 %
53 \newcommand\Cr@Quote@Spacing{}
54 \DeclareVoidOption{loosequotes}{%
55   \def\Cr@Quote@Spacing{\Cr@Quote@Spacing@Loose}}

```

### Defaults

```

56 \ProcessKeyvalOptions{Cr}\relax

```

## 10.2 Font declarations

```
57 \RequirePackage{CronosPro-FontDef}
58 \@ifpackageloaded{textcomp}{\RequirePackage{textcomp}}
```

By default, we use `b` for the bold series. If `CronosPro-Semibold` is not available this might internally be mapped to `CronosPro-Bold` (see `CronosPro-FontDef`).

```
59 \edef\sfddefault{\Cr@Text@Family}
```

If a recent version of `microtype` is loaded then we implement an option to increase the side bearings of all quote glyphs.

```
60 \def\Cr@Quote@Spacing@Loose{%
61   \@ifpackageloaded{microtype}{\RequirePackage[kerning=true]{microtype}}
62   \@ifundefined{SetExtraKerning}{\{
63     \let\Cr@Set@Quote@Spacing\SetExtraKerning}
64   %       \SetExtraKerning
65   %       [ unit = 1em ]
66   %       { encoding = {OT1,T1,U,LY1},
67   %         family   = {CronosPro-OfF,CronosPro-LF,CronosPro-TOfF,CronosPro-TLF},
68   %         shape     = n }
69   %       { \textquotedblleft = {30,30}, \textquotedblright = {30,30},
70   %         \textquoteleft   = {30,30}, \textquoteright    = {30,30} }}
71 }
72 \newcommand*\Cr@Set@Quote@Spacing[3][\{
73 \Cr@Quote@Spacing
74 \Cr@Set@Quote@Spacing
75 [ unit = 1em ]
76 { encoding = {OT1,T1,U,LY1},
77 family   = {CronosPro-OfF,CronosPro-LF,CronosPro-TOfF,CronosPro-TLF},
78 shape    = {n,it} }
79 { \textquotedblleft = {30,30}, \textquotedblright = {30,30},
80 \textquoteleft     = {30,30}, \textquoteright    = {30,30} }
```

## 10.3 Font selection

The font selection commands such as `\figureversion`, `\textsw`, and `\textssc` are provided by the package `fontaxes`.

```
81 \RequirePackage{fontaxes}[2005/05/04]
```

We define an additional short hand for compatibility's sake.

```
82 \let\oldstylenums\textfigures
```

## 10.4 pdfTeX to-unicode support

Old versions of `CronosPro` have non-standard glyph names.

```
83 \@ifundefined{pdfglyphtounicode}{\{
84   \pdfglyphtounicode{uniEFD5}{03DD}% uni03DD
85   \pdfglyphtounicode{uniEFED}{02D9}% dotaccent.cap
86   \pdfglyphtounicode{uniEFEE}{02D8}% breve.cap
87   \pdfglyphtounicode{uniEFF1}{02DB}% ogonek.cap
88   \pdfglyphtounicode{uniEFF2}{00B8}% cedilla.cap
```

89 \pdfglyphtounicode{uniEFF3}{02DA}% ring.cap  
 90 \pdfglyphtounicode{uniEFF5}{02DC}% tilde.cap  
 91 \pdfglyphtounicode{uniEFF7}{02C6}% circumflex.cap  
 92 \pdfglyphtounicode{uniF628}{2030}% perthousand.oldstyle  
 93 \pdfglyphtounicode{uniF62C}{0028}% parenleft.denominator  
 94 \pdfglyphtounicode{uniF62D}{0029}% parenright.denominator  
 95 \pdfglyphtounicode{uniF631}{0028}% parenleft.numerator  
 96 \pdfglyphtounicode{uniF632}{0029}% parenright.numerator  
 97 \pdfglyphtounicode{uniF638}{0030}% zero.slash  
 98 \pdfglyphtounicode{uniF639}{0030}% zero.fitted  
 99 \pdfglyphtounicode{uniF63A}{0032}% two.fitted  
 100 \pdfglyphtounicode{uniF63B}{0033}% three.fitted  
 101 \pdfglyphtounicode{uniF63C}{0034}% four.fitted  
 102 \pdfglyphtounicode{uniF63D}{0035}% five.fitted  
 103 \pdfglyphtounicode{uniF63E}{0036}% six.fitted  
 104 \pdfglyphtounicode{uniF63F}{0037}% seven.fitted  
 105 \pdfglyphtounicode{uniF640}{0038}% eight.fitted  
 106 \pdfglyphtounicode{uniF641}{0039}% nine.fitted  
 107 \pdfglyphtounicode{uniF642}{0025}% percent.oldstyle  
 108 \pdfglyphtounicode{uniF643}{0030}% zero.taboldstyle  
 109 \pdfglyphtounicode{uniF644}{0031}% one.taboldstyle  
 110 \pdfglyphtounicode{uniF645}{0032}% two.taboldstyle  
 111 \pdfglyphtounicode{uniF646}{0033}% three.taboldstyle  
 112 \pdfglyphtounicode{uniF647}{0034}% four.taboldstyle  
 113 \pdfglyphtounicode{uniF648}{0035}% five.taboldstyle  
 114 \pdfglyphtounicode{uniF649}{0036}% six.taboldstyle  
 115 \pdfglyphtounicode{uniF64A}{0037}% seven.taboldstyle  
 116 \pdfglyphtounicode{uniF64B}{0038}% eight.taboldstyle  
 117 \pdfglyphtounicode{uniF64C}{0039}% nine.taboldstyle  
 118 \pdfglyphtounicode{uniF64D}{20A1}% colonmonetary.taboldstyle  
 119 \pdfglyphtounicode{uniF64E}{20AC}% Euro.taboldstyle  
 120 \pdfglyphtounicode{uniF64F}{0192}% florin.taboldstyle  
 121 \pdfglyphtounicode{uniF650}{0023}% numbersign.taboldstyle  
 122 \pdfglyphtounicode{uniF651}{00A3}% sterling.taboldstyle  
 123 \pdfglyphtounicode{uniF652}{00A5}% yen.taboldstyle  
 124 \pdfglyphtounicode{uniF653}{0024}% dollar.taboldstyle  
 125 \pdfglyphtounicode{uniF654}{00A2}% cent.taboldstyle  
 126 \pdfglyphtounicode{uniF655}{0030}% zero.denominator  
 127 \pdfglyphtounicode{uniF656}{0031}% one.denominator  
 128 \pdfglyphtounicode{uniF657}{0032}% two.denominator  
 129 \pdfglyphtounicode{uniF658}{0033}% three.denominator  
 130 \pdfglyphtounicode{uniF659}{0034}% four.denominator  
 131 \pdfglyphtounicode{uniF65A}{0035}% five.denominator  
 132 \pdfglyphtounicode{uniF65B}{0036}% six.denominator  
 133 \pdfglyphtounicode{uniF65C}{0037}% seven.denominator  
 134 \pdfglyphtounicode{uniF65D}{0038}% eight.denominator  
 135 \pdfglyphtounicode{uniF65E}{0039}% nine.denominator  
 136 \pdfglyphtounicode{uniF65F}{002C}% comma.denominator  
 137 \pdfglyphtounicode{uniF660}{002E}% period.denominator  
 138 \pdfglyphtounicode{uniF661}{0030}% zero.numerator



```

139 \pdfglyphtounicode{uniF662}{0031}% one.numerator
140 \pdfglyphtounicode{uniF663}{0032}% two.numerator
141 \pdfglyphtounicode{uniF664}{0033}% three.numerator
142 \pdfglyphtounicode{uniF665}{0034}% four.numerator
143 \pdfglyphtounicode{uniF666}{0035}% five.numerator
144 \pdfglyphtounicode{uniF667}{0036}% six.numerator
145 \pdfglyphtounicode{uniF668}{0037}% seven.numerator
146 \pdfglyphtounicode{uniF669}{0038}% eight.numerator
147 \pdfglyphtounicode{uniF66A}{0039}% nine.numerator
148 \pdfglyphtounicode{uniF66B}{002C}% comma.numerator
149 \pdfglyphtounicode{uniF66C}{002E}% period.numerator
150 \pdfglyphtounicode{uniF66D}{0103}% abreve.sc
151 \pdfglyphtounicode{uniF66F}{0105}% aogonek.sc
152 \pdfglyphtounicode{uniF671}{0107}% cacute.sc
153 \pdfglyphtounicode{uniF672}{010D}% ccaron.sc
154 \pdfglyphtounicode{uniF675}{010F}% dcaron.sc
155 \pdfglyphtounicode{uniF676}{0111}% dcroat.sc
156 \pdfglyphtounicode{uniF678}{011B}% ecaron.sc
157 \pdfglyphtounicode{uniF67B}{014B}% eng.sc
158 \pdfglyphtounicode{uniF67C}{0119}% eogonek.sc
159 \pdfglyphtounicode{uniF67D}{011F}% gbreve.sc
160 \pdfglyphtounicode{uniF684}{0133}% ij.sc
161 \pdfglyphtounicode{uniF687}{0129}% itilde.sc
162 \pdfglyphtounicode{uniF68A}{013A}% lacute.sc
163 \pdfglyphtounicode{uniF68B}{013E}% lcaron.sc
164 \pdfglyphtounicode{uniF68E}{0144}% nacute.sc
165 \pdfglyphtounicode{uniF68F}{0148}% ncaron.sc
166 \pdfglyphtounicode{uniF692}{0151}% ohungarumlaut.sc
167 \pdfglyphtounicode{uniF695}{0155}% racute.sc
168 \pdfglyphtounicode{uniF696}{0159}% rcaron.sc
169 \pdfglyphtounicode{uniF698}{015B}% sacute.sc
170 \pdfglyphtounicode{uniF699}{015F}% scedilla.sc
171 \pdfglyphtounicode{uniF69D}{0165}% tcaron.sc
172 \pdfglyphtounicode{uniF69E}{0163}% tcommaaccent.sc
173 \pdfglyphtounicode{uniF6A0}{0171}% uhungarumlaut.sc
174 \pdfglyphtounicode{uniF6A3}{016F}% uring.sc
175 \pdfglyphtounicode{uniF6A4}{0169}% utilde.sc
176 \pdfglyphtounicode{uniF6AA}{1EF3}% ygrave.sc
177 \pdfglyphtounicode{uniF6AB}{017A}% zacute.sc
178 \pdfglyphtounicode{uniF6AC}{017C}% zdotaccent.sc
179 \pdfglyphtounicode{uniF6DC}{0031}% one.fitted
180 }

```

## 10.5 Superior and inferior figures

We define commands to convert numbers to numerator figures and denominator figures.

```

181 \def\@for@tok#1:=#2\do#3{%
182   \expandafter\def\expandafter\@fortmp\expandafter{#2}%
183   \ifx\@fortmp\@empty \else

```

```

184 \expandafter\@forloop@tok#2\@nil\@nil\@@#1{#3}%
185 \fi}
186 \def\@forloop@tok#1#2#3\@@#4#5{%
187 \def#4{#1}%
188 \ifx #4\@nnil \else
189 #5%
190 \def#4{#2}%
191 \ifx #4\@nnil \else
192 #5\@iforloop@tok #3\@@#4{#5}%
193 \fi\fi}
194 \def\@iforloop@tok#1#2\@@#3#4{%
195 \def#3{#1}%
196 \ifx #3\@nnil
197 \expandafter\@fornoop
198 \else
199 #4\relax\expandafter\@iforloop@tok
200 \fi
201 #2\@@#3{#4}}
202 %
203 \newcommand*\Cr@extra@font{%
204 \fontencoding{U}\fontfamily{CronosPro-Extra}\selectfont}
205 \newcommand*\Cr@numerator@fig[1]{\Cr@extra@font\Cr@@numerator@fig{#1}}
206 \newcommand*\Cr@denominator@fig[1]{\Cr@extra@font\Cr@@denominator@fig{#1}}
207 \newcommand*\Cr@superior@fig[1]{\Cr@extra@font\Cr@@superior@fig{#1}}
208 \newcommand*\Cr@inferior@fig[1]{\Cr@extra@font\Cr@@inferior@fig{#1}}
209 \newcommand*\Cr@@numerator@fig[1]{%
210 \@for@tok\@nf@fig:=#1\do{%
211 \ifcase\@nf@fig
212 \char'00%
213 \or\char'01%
214 \or\char'02%
215 \or\char'03%
216 \or\char'04%
217 \or\char'05%
218 \or\char'06%
219 \or\char'07%
220 \or\char'10%
221 \or\char'11%
222 \else
223 \@latex@error{invalid argument to \string\Cr@@numerator@fig}%
224 \fi
225 }}
226 \newcommand*\Cr@@denominator@fig[1]{%
227 \@for@tok\@nf@fig:=#1\do{%
228 \ifcase\@nf@fig
229 \char'20%
230 \or\char'21%
231 \or\char'22%
232 \or\char'23%
233 \or\char'24%

```

```

234 \or\char'25%
235 \or\char'26%
236 \or\char'27%
237 \or\char'30%
238 \or\char'31%
239 \else
240 \latex@error{invalid argument to \string\Cr@@denominator@fig}%
241 \fi
242 }}
243 \newcommand*\Cr@@superior@fig[1]{%
244 \for@tok\@nf@fig:=#1\do{%
245 \ifcase\@nf@fig
246 \char'60%
247 \or\char'61%
248 \or\char'62%
249 \or\char'63%
250 \or\char'64%
251 \or\char'65%
252 \or\char'66%
253 \or\char'67%
254 \or\char'70%
255 \or\char'71%
256 \else
257 \latex@error{invalid argument to \string\Cr@@superior@fig}%
258 \fi
259 }}
260 \newcommand*\Cr@@inferior@fig[1]{%
261 \for@tok\@nf@fig:=#1\do{%
262 \ifcase\@nf@fig
263 \char'100%
264 \or\char'101%
265 \or\char'102%
266 \or\char'103%
267 \or\char'104%
268 \or\char'105%
269 \or\char'106%
270 \or\char'107%
271 \or\char'110%
272 \or\char'111%
273 \else
274 \latex@error{invalid argument to \string\Cr@@inferior@fig}%
275 \fi
276 }}
\Cr@ensure@text switches to text mode, if necessary.
277 \newcommand*\Cr@ensure@text[1]{%
278 \ifmmode
279 \Mn@Text@With@MathVersion{#1}%
280 \else
281 #1%

```

```

282 \fi}
\smallfrac and \slantfrac assemble numerical fractions.
283 \newcommand*\Cr@smallfrac[2]{%
284 \leavevmode
285 \setbox\@tempboxa
286 \vbox{%
287 \baselineskip\z@skip%
288 \lineskip.25ex%
289 \lineskiplimit-\maxdimen
290 \ialign{\hfil##\hfil\crcr
291 \vbox to 2.13ex{\vss\hbox{\Cr@numerator@fig{#1}}\vskip.68ex}\crcr
292 \leavevmode\leaders\hrule height 1.1ex depth -1.01ex\hfill\crcr
293 \vtop to 1ex{\vbox{\hbox{\Cr@denominator@fig{#2}}\vss}\crcr
294 \noalign{\vskip-1.47ex}}}%
295 \dp\@tempboxa=0.49ex%
296 \box\@tempboxa}
297 \newcommand*\Cr@slantfrac[2]{%
298 {\Cr@extra@font\Cr@@numerator@fig{#1}\kern-0.05em/\kern-0.06em\Cr@@denominator@fig{#2}}
299 \DeclareRobustCommand*\smallfrac[2]{\Cr@ensure@text{\kern0.06em\Cr@smallfrac{#1}{#2}\kern0.05em}
300 \DeclareRobustCommand*\slantfrac[2]{\Cr@ensure@text{\kern0.06em\Cr@slantfrac{#1}{#2}\kern0.05em}}

```

## 10.6 Additional symbols

```

301 % fix \r A
302 \DeclareTextCompositeCommand{\r}{OT1}{A}
303 {\leavevmode\setbox\z@\hbox{!}\dimen@ht\z@\advance\dimen@-1ex%
304 \oalign{\hss\raise.67\dimen@\hbox{\char23}\hss\crcr A}}
305
306 \DeclareEncodingSubset{TS1}{CronosPro-LF} {1}%
307 \DeclareEncodingSubset{TS1}{CronosPro-TLF} {1}%
308 \DeclareEncodingSubset{TS1}{CronosPro-OfS} {1}%
309 \DeclareEncodingSubset{TS1}{CronosPro-TOfS}{1}%
310 \AtBeginDocument{
311 \UndeclareTextCommand{\textvisiblespace}{T1}%
312 \UndeclareTextCommand{\textcompwordmark}{T1}%
313 \UndeclareTextCommand{\textsterling}{T1}%
314 \UndeclareTextCommand{\j}{T1}%
315 \UndeclareTextCommand{\j}{LY1}%
316 }

```

## 10.7 Logos

Correct logos.

```

317 \def\TeX{T\kern-.1667em\lower.4ex\hbox{E}\kern-.125emX\@}
318 \DeclareRobustCommand{\LaTeX}{L\kern-.32em%
319 {\sbox\z@ T%
320 \vbox to\ht\z@{\hbox{\check@mathfonts
321 \fontsize\sf@size\z@
322 \math@fontsfalse\selectfont

```

```

323      A}%
324      \vss}%
325    }%
326    \kern-.15em%
327    \TeX}

```

Make the changes take effect. This concludes the main style file.

```

328 %\normalfont
329 </style>

```

## 11 Support for character protrusion

The microtype configuration. All four CronosPro families use the same file (cf. section 12).

```

330 <*mtcfg>
331 \SetProtrusion
332 [ name      = CronosPro-OT1-Roman ]
333 { encoding = OT1,
334   family   = {CronosPro-OsF,CronosPro-LF,CronosPro-T0sF,CronosPro-TLF},
335   shape     = n }
336 {
337   A = {40,40},
338   F = { ,60},
339   J = {90, },
340   K = { ,50},
341   L = { ,60},
342   T = {50,50},
343   V = {40,40},
344   W = {30,30},
345   X = {50,50},
346   Y = {50,50},
347   k = { ,60},
348   r = { ,80},
349   t = { ,100},
350   v = {70,70},
351   w = {40,40},
352   x = {60,60},
353   y = {70,70},
354   ! = {70,180},
355   ( = {60,30},    ) = {30,60},
356   [ = {100,160},  ] = {160,100},
357   {,} = {440,700},
358   . = {660,700},
359   : = {400,480},
360   ; = {350,440},
361   - = {700,700},
362   \textendash      = {390,480},   \textemdash      = {220,270},
363   \textquotedblleft = {380,250},   \textquotedblright = {250,380},
364   \textquoteleft    = {670,450},   \textquoteright    = {450,670},
365 }

```

```

366 \SetProtrusion
367 [ name      = CronosPro-T1-Roman,
368   load      = CronosPro-OT1-Roman ]
369 { encoding = T1,
370   family   = {CronosPro-OfF,CronosPro-LF,CronosPro-TOfF,CronosPro-TLF},
371   shape     = n }
372 {
373   023 = { ,40}, % ff ligature
374   032 = { ,50}, % ft ligature
375   191 = {30,30}, % Th ligature
376   127 = {620,700}, % hyphen
377   \AE = {40, }, % AE
378   \quotesinglbase = {670,670}, \quotedblbase = {370,370},
379   \guilsinglleft = {500,360}, \guilsinglright = {360,500},
380   \guillemotleft = {320,230}, \guillemotright = {230,320},
381 }

382 \SetProtrusion
383 [ name      = CronosPro-OT1-Italic]
384 { encoding = OT1,
385   family   = {CronosPro-OfF,CronosPro-LF,CronosPro-TOfF,CronosPro-TLF},
386   shape     = {it,sl,sw} }
387 {
388   A = {120,50},
389   B = {90,-50},
390   C = {50,-60},
391   D = {70,-30},
392   E = {90,-50},
393   F = {100,-40},
394   G = {50,-60},
395   H = {70,-40},
396   I = {150,-90},
397   J = {250,-130},
398   K = {80,-50},
399   L = {90,60},
400   M = {60,-40},
401   N = {70,-40},
402   O = {70,-30},
403   P = {70,-110},
404   Q = {40,-40},
405   R = {80,-50},
406   S = {70,-70},
407   T = {130, },
408   U = {70,-40},
409   V = {120,30},
410   W = {90,20},
411   X = {50, },
412   Y = {160, },
413   Z = {50,-50},
414   d = {60,-60},

```

```

415     f = { , -190},
416 027 = { , -70}, % ff ligature
417     g = {-70, -70},
418     i = { , -110},
419 025 = { , -60}, % dotlessi
420 028 = { , -60}, % fi ligature
421 030 = { , -30}, % ffi ligature
422     j = {-90, -150},
423     p = {-40, },
424     r = { , 80},
425     t = { , 100},
426     v = {90, },
427     w = {60, 10},
428     x = {90, },
429     ! = {190, 40},
430     ( = {90, }, ) = {90, },
431     [ = {90, 90}, ] = {120, 60},
432     {, } = {210, 680},
433     . = {640, 680},
434     : = {380, 430},
435     ; = { , 430},
436     - = {750, 750},
437 \textquoteleft = {690, 140}, \textquoteright = {470, 230},
438 \textendash = {400, 500}, \textemdash = {220, 280},
439 \textquotedblleft = {520, 130}, \textquotedblright = {520, 130},
440 }

441 \SetProtrusion
442 [ name = CronosPro-T1-Italic,
443 load = CronosPro-OT1-Italic ]
444 { encoding = T1,
445 family = {CronosPro-OsF, CronosPro-LF, CronosPro-T0sF, CronosPro-TLF},
446 shape = {it, sl, sw} }
447 {
448 023 = { , 40}, % fft ligature
449 032 = { , 50}, % ft ligature
450 191 = {80, 30}, % Th ligature
451 127 = {660, 750}, % hyphen
452 \AE = {90, -40}, % AE
453 131 = {80, -30}, % Dcaron
454 132 = {70, -40}, % Ecaron
455 156 = {80, -60}, % IJ
456 \OE = {50, -30}, % OE
457 188 = { , -80}, % ij
458 184 = {70, 70}, % ydieresis
459 253 = {70, 70}, % yacute
460 \quotesinglbase = {220, 700}, \quotedblbase = {130, 400},
461 \guilsinglleft = {500, 180}, \guilsinglright = {350, 350},
462 \guillemotleft = {310, 110}, \guillemotright = {230, 230},
463 }

```

We have no protruding values for small caps yet. The following stubs are unnecessary at the moment, but they are here as a reminder.

```

464 \SetProtrusion
465 [ name      = CronosPro-OT1-Smallcaps ]
466 { encoding = OT1,
467   family   = {CronosPro-0sF,CronosPro-LF,CronosPro-T0sF,CronosPro-TLF},
468   shape    = {sc,ssc} }
469 {}

470 \SetProtrusion
471 [ name      = CronosPro-T1-Smallcaps,
472   load      = CronosPro-OT1-Smallcaps ]
473 { encoding = T1,
474   family   = {CronosPro-0sF,CronosPro-LF,CronosPro-T0sF,CronosPro-TLF},
475   shape    = {sc,ssc} }
476 {}

477 \SetProtrusion
478 [ name      = CronosPro-OT1-SmallcapsItalic ]
479 { encoding = OT1,
480   family   = {CronosPro-0sF,CronosPro-LF,CronosPro-T0sF,CronosPro-TLF},
481   shape    = {scit,sscit} }
482 {}

483 \SetProtrusion
484 [ name      = CronosPro-T1-SmallcapsItalic,
485   load      = CronosPro-OT1-SmallcapsItalic ]
486 { encoding = T1,
487   family   = {CronosPro-0sF,CronosPro-LF,CronosPro-T0sF,CronosPro-TLF},
488   shape    = {scit,sscit} }
489 {}

490 \SetProtrusion
491 [ name      = CronosPro-other-Roman ]
492 { encoding = {U},
493   family   = {CronosPro-0sF,CronosPro-LF,CronosPro-T0sF,CronosPro-TLF},
494   shape    = n }
495 {
496   ! = {70,180},
497   ( = {60,30},   ) = {30,60},
498   [ = {100,160}, ] = {160,100},
499   {,} = {440,700},
500   . = {660,700},
501   : = {400,480},
502   ; = {350,440},
503   - = {700,700},
504   \textendash      = {390,480}, \textendash      = {220,270},
505   \textquotedblleft = {380,250}, \textquotedblright = {250,380},
506   \textquoteleft    = {670,450}, \textquoteright    = {450,670},
507 }
508 \SetProtrusion
509 [ name      = CronosPro-other-Italic ]

```



```

510 { encoding = {U},
511     family   = {CronosPro-0sF,CronosPro-LF,CronosPro-T0sF,CronosPro-TLF},
512     shape    = {it,sl,sw} }
513 {
514     ! = {190,40},
515     ( = {90, }, ) = {90, },
516     [ = {90,90}, ] = {120,60},
517     {,} = {210,680},
518     . = {640,680},
519     : = {380,430},
520     ; = { ,430},
521     - = {750,750},
522     \textquoteleft = {690,140}, \textquoteright = {470,230},
523     \textendash    = {400,500}, \textemdash    = {220,280},
524     \textquotedblleft = {520,130}, \textquotedblright = {520,130},
525 }
526 \end{fontdef}

```

## 12 Font definition files

As all the font definitions look the same we introduce macros to ease the configuration. These macros are stored in the file `CronosPro-FontDef.sty` which is included by every `FD` file. Note that `CronosPro-FontDef.sty` will be included several times and that we do not know in which context the code is executed. Therefore, we have to define all non-private commands as `globals`.

Since this package should be loadable in an `FD` file we have to avoid all `\preambleonly` commands. Therefore, we use `\ProvidesFile` instead of `\ProvidesPackage`.

We add a guard so that this file is executed only once even if it is included multiple times.

```

527 \fontdef
528 \ifx\Cr@DeclareFontShape\@undefined\else\endinput\fi

```

We distinguish between being loaded directly or via `\usepackage` in the preamble by checking `\@nodocument`.

```

529 \ifx\@nodocument\relax
530   \input{otfontdef.sty}
531 \else
532   \NeedsTeXFormat{LaTeX2e}
533   \RequirePackage{otfontdef}
534 \fi

```

Reset `\escapechar` (which is set to `-1` in `FD` files) to make `\newcommand` work. The additional group does not harm; we have to make the important commands global anyway.

```

535 \ifx\@nodocument\relax
536   \begingroup\escapechar'\
537 \fi

```

These are the default values if it is impossible to process options.

```

538 \newcommand\Cr@option@opticals{noopticals}
539 \newcommand\Cr@option@fontset{smallfamily}

```

```

540 \newdimen\Cr@option@normalsize
541 \global\Cr@option@normalsize10pt

```

Whether we should adapt the configuration to the \normalsize of the document. This switch is only needed locally.

```

542 \newif\ifCr@option@normalsize
543 \Cr@option@normalsizetrue

544 \ifx\@nodocument\relax\else
545   \DeclareOption{slides}      {\let\Cr@option@opticals\CurrentOption}
546   \DeclareOption{opticals}    {\let\Cr@option@opticals\CurrentOption}
547   \DeclareOption{noopticals}  {\let\Cr@option@opticals\CurrentOption}
548   \DeclareOption{smallfamily} {\let\Cr@option@fontset\CurrentOption}
549   \DeclareOption{medfamily}   {\let\Cr@option@fontset\CurrentOption}
550 %   \DeclareOption{fullfamily} {\let\Cr@option@fontset\CurrentOption}
551   \DeclareOption{normalsize}  {\Cr@option@normalsizetrue}
552   \DeclareOption{nonormalsize}{\Cr@option@normalsizefalse}
553   \ExecuteOptions{smallfamily,noopticals,normalsize}
554   \ProcessOptions\relax
555 \fi

```

The method to determine the main font size is inspired by microtype's implementation.

```

556 \ifCr@option@normalsize
557   \begingroup
558   \def\set@fontsize#1#2#3#4\@nil{%
559     \@defaultunits\global\Cr@option@normalsize#2pt\relax\@nnil}%
560   \normalsize\@nil
561   \endgroup
562 \fi

```

We use \otf@makeglobal from otfontdef to “export” the definitions that are needed globally.

```

563 \otf@makeglobal{Cr@option@opticals}
564 \otf@makeglobal{Cr@option@fontset}
565 \ifx\@nodocument\relax\else
566   \PackageInfo{CronosPro-FontDef}{%
567     Configuration:\space\Cr@option@fontset,\space\Cr@option@opticals,\space
568     normalsize=\the\Cr@option@normalsize}%
569 \fi

```

### Configuration database

```

570 \newcount\Cr@config@cnt
571 \Cr@config@cnt=0
572 \newcommand\Cr@curr@config{Cr@config@\romannumeral\Cr@config@cnt}

```

These commands help in setting up the configuration database. They do not need to be global. But the config database itself has to be.

#3 is added to all instances listed in #2 of configuration class #1. #3 is read with NFSS cat-codes.

```

573 \newcommand\Cr@AddToConfig{%

```

```

574 \begingroup
575 \nfss@catcodes
576 \expandafter\endgroup
577 \Cr@AddToConfig@
578 }
579 \newcommand\Cr@AddToConfig@[3]{%
580 \advance\Cr@config@cnt\@ne
581 \@namedef{\Cr@curr@config}{#3}%
582 \otf@makeglobal{\Cr@curr@config}
583 (debug & show)\expandafter\show\csname\Cr@curr@config\endcsname
584 \@for\Cr@tempa:=#2\do{%
585 \ifundefined{Cr@config@#1@\Cr@tempa}{%
586 \temptokena{}%
587 }{%
588 \temptokena\expandafter\expandafter\expandafter
589 {\csname Cr@config@#1@\Cr@tempa\endcsname}%
590 }%
591 \@expandtwoargs\@namedef{Cr@config@#1@\Cr@tempa}{%
592 \the\temptokena
593 \expandafter\noexpand\csname\Cr@curr@config\endcsname
594 }%
595 \otf@makeglobal{Cr@config@#1@\Cr@tempa}% perhaps defer to only execute once
596 (debug & show)\expandafter\show\csname Cr@config@#1@\Cr@tempa\endcsname
597 }%
598 }

```

Let us look at an example of how the configuration database looks internally for (shape, sw), which is specified below in three steps. The following lines show different depths of expansion of the macro \Cr@config@shape@sw, which finally yields the complete configuration:

```

\Cr@config@shape@sw
\Cr@config@xi \Cr@config@xiv \Cr@config@xv
<-8>otf*[spacing=11]<->otf*[variant=swash]<->otf*CronosPro-It

```

The following commands are used in the Declare...Family commands to access the previously built configuration database. They must be expandable. #3 is used as a default if no entry is found in the database.

```

599 \newcommand*\Cr@UseConfig[2]{%
600 \Cr@UseConfigOrDefault{#1}{#2}{}%
601 }
602 \newcommand*\Cr@UseConfigOrDefault[3]{%
603 \@ifundefined{Cr@config@#1@#2}{#3}%
604 {\@nameuse{Cr@config@#1@#2}}%
605 }
606 \newcommand*\Cr@TheConfig[2]{%
607 \@ifundefined{Cr@config@#1@#2}{}%
608 \expandafter\noexpand\csname Cr@config@#1@#2\endcsname
609 }%
610 }
611 \otf@makeglobal{Cr@UseConfig}

```

```

612 \otf@makeglobal{Cr@UseConfigOrDefault}
613 \otf@makeglobal{Cr@TheConfig}

```

The size range in the configuration has to be divided by the scaling factor to take the changed size into account because the scaling takes place after choosing the right combination. Provide calculation routine here.

```

614 \RequirePackage{fltpoint}
615 \fpDecimalSign{.}
616 \newcommand*{\Cr@calc@bsize}[2]{\fpDiv{#1}{#2}{\Cr@scale}}

```

Here comes the configuration.

```

617 \Cr@calc@bsize{\Cr@s@capt}{8.5}
618 \Cr@calc@bsize{\Cr@s@text}{13.1}
619 \Cr@calc@bsize{\Cr@s@subh}{20}
620 \Cr@AddToConfig{opticals}{opticals}{
621     <-\Cr@s@capt> otf* [optical=Capt]
622     <\Cr@s@capt-\Cr@s@text> otf* [optical=Text]
623     <\Cr@s@text-\Cr@s@subh> otf* [optical=Subh]
624     <\Cr@s@subh-> otf* [optical=Disp]
625 }
626 \Cr@AddToConfig{opticals}{noopticals}{
627     <-> otf* [optical=Text]
628 }
629 \Cr@AddToConfig{opticals}{slides}{
630     <-> otf* [optical=Capt]
631 }

632 \ifdim\Cr@option@normalsize<10.1pt
633   \Cr@calc@bsize{\Cr@s@semif}{6}
634   \Cr@calc@bsize{\Cr@s@medif}{8.5}
635 \else
636   \Cr@calc@bsize{\Cr@s@semif}{6}
637   \Cr@calc@bsize{\Cr@s@medif}{10.1}
638 \fi
639 \Cr@AddToConfig{fontset/weight}{fullfamily/m}{
640     < -\Cr@s@semif> otf* [weight=Semibold]
641     <\Cr@s@semif-\Cr@s@medif> otf* [weight=Medium]
642     <\Cr@s@medif-> otf* [weight=Regular]
643 }
644 \Cr@calc@bsize{\Cr@s@semim}{6}
645 \Cr@AddToConfig{fontset/weight}{medfamily/m}{
646     <-\Cr@s@semim> otf* [weight=Semibold]
647     <\Cr@s@semim-> otf* [weight=Regular]
648 }
649 \Cr@AddToConfig{fontset/weight}{smallfamily/m}{
650     <-> otf* [weight=Regular]
651 }
652 %
653 \Cr@calc@bsize{\Cr@s@bold}{6}
654 \Cr@AddToConfig{fontset/weight}{fullfamily/b,medfamily/b}{
655     <-\Cr@s@bold> otf* [weight=Bold]

```

```

656 <\Cr@s@bold->          otf* [weight=Semibold]
657 }
658 \Cr@AddToConfig{fontset/weight}{smallfamily/b}{
659     <->          otf* [weight=Bold]
660 }
661 %
662 \Cr@AddToConfig{weight}{eb}{
663     <->          otf* [weight=Bold]
664 }
665 \Cr@AddToConfig{shape}{ssc,sscit}{
666     <->          otf* [spacing=12]
667 }
668 \Cr@calc@bsize{\Cr@s@spac}{8}
669 \Cr@AddToConfig{shape}{n,it,sw,sc,scit}{
670     <-\Cr@s@spac>    otf* [spacing=11]
671 }
672 \Cr@AddToConfig{encoding/shape}{U/n,U/it}{
673     <->          otf* [spacing=]
674 }
675 %
676 \Cr@AddToConfig{shape}{sc,ssc,scit,sscit}{
677     <->          otf* [variant=sc]
678 }
679 \Cr@AddToConfig{shape}{sw}{
680     <->          otf* [variant=swash]
681 }
682 \Cr@AddToConfig{shape}{it,scit,sscit,sw}{
683     <->          otf* CronosPro-It
684 }
685 \Cr@AddToConfig{shape}{n,sc,ssc}{
686     <->          otf* CronosPro
687 }
688 \Cr@AddToConfig{encoding/shape}{OML/it}{
689     <->          otf* [figures=] CronosPro-Mixed
690 }
691 \Cr@AddToConfig{encoding/shape}{OML/n}{
692     <->          otf* [figures=] CronosPro-French
693 }
694 \Cr@AddToConfig{scale}{scale}{
695     <->          otf* [scale=\Cr@scale]
696 }

```

#### Substitutions

```

697 \Cr@AddToConfig{sub:series} {sb}      {b}
698 \Cr@AddToConfig{sub:series} {bx}      {b}
699 \Cr@AddToConfig{sub:shape}   {sl}      {it}
700 \Cr@AddToConfig{sub:shape}   {scsl}     {scit}
701 \Cr@AddToConfig{sub:shape}   {sscsl}    {sscit}
702 \Cr@AddToConfig{sub:shape}   {scsw}     {scit}

```

```

703 \Cr@AddToConfig{sub:shape} {sscsw} {ssc}it}
704 \Cr@AddToConfig{sub:encoding/shape}{TS1/sw}{it}

```

Code for the last argument of \DeclareFontShape

```

705 \Cr@AddToConfig{code:shape}{sw}{
706   \skewchar\font='337
707 }

```

## Declaration of font families and shapes

```

708 \newcommand*\Cr@DeclareFontShape[6] [] {%

```

Check if any substitutions are specified.

```

709   \edef\@tempa{%
710     \Cr@UseConfig{sub:series}{#4}%
711     \Cr@UseConfigOrDefault{sub:encoding/shape}{#2/#5}{%
712       \Cr@UseConfig{sub:shape}{#5}}%
713   }%
714   \ifx\@tempa\@empty

```

Collect the configuration and declare the font shape. \DeclareFontShape fully expands its fifth argument (with our macros \Cr@UseConfig in it), but we have to retrieve the code for the sixth argument ourselves.

```

715     \@temptokena={%
716       \DeclareFontShape{#2}{#3-#6}{#4}{#5}{%
717         \Cr@UseConfig{opticals}      {\Cr@option@opticals}%
718         \Cr@UseConfig{fontset/weight}{\Cr@option@fontset/#4}%
719         \Cr@UseConfig{weight}        {#4}%
720         \Cr@UseConfig{encoding/shape}{#2/#5}%
721         \Cr@UseConfig{shape}         {#5}%
722         \Cr@UseConfig{scale}         {scale}%
723       }%
724       \edef\@tempa{\the\@temptokena{\Cr@TheConfig{code:shape}{#5}}}%
725       \@tempa
726     \else

```

Generate the substitution. (All substitutions are silent at the moment.)

```

727     \DeclareFontShape{#2}{#3-#6}{#4}{#5}{%
728       <->ssub*#3-#6%
729       /\Cr@UseConfigOrDefault{sub:series}{#4}{#4}%
730       /\Cr@UseConfigOrDefault{sub:encoding/shape}{#2/#5}{%
731         \Cr@UseConfigOrDefault{sub:shape}{#5}{#5}}%
732     }{}%
733   \fi
734 }
735 \otf@makeglobal{\Cr@DeclareFontShape}
736 \otf@makeglobal{\string\Cr@DeclareFontShape}

```

#2 contains the encoding, #3 the family, and #1 a list of figure versions (or Extra).

```

737 \newcommand*\Cr@DeclareLargeFontFamily[3] [LF,OsF,TLF,TOfF] {%
738   \Cr@DeclareFontFamily{#1}{#2}{#3}
739   {m,sb,b,bx,eb} {n,it,sc,ssc,scit,ssc,sw,scsl,scsw,sscs,sssl,sscs,sl}%

```

```

740 }
741 \newcommand*\Cr@DeclareSmallFontFamily[3][LF,OsF,TLF,TOf]{%
742   \Cr@DeclareFontFamily{#1}{#2}{#3}
743   {m, sb, b, bx, eb} {n, it, sl}%
744 }
745 \newcommand*\Cr@DeclareMathFontFamily[3][TOf]{%
746   \Cr@DeclareFontFamily[\skewchar\font=255]{#1}{#2}{#3}
747   {m, sb, b, bx, eb} {n, it}%
748 }

```

An additional macro `\csname\string\foo\endcsname` is generated by `\newcommand` for processing an optional argument of `\foo`.

```

749 \otf@makeglobal{\Cr@DeclareLargeFontFamily}
750 \otf@makeglobal{\string\Cr@DeclareLargeFontFamily}
751 \otf@makeglobal{\Cr@DeclareSmallFontFamily}
752 \otf@makeglobal{\string\Cr@DeclareSmallFontFamily}
753 \otf@makeglobal{\Cr@DeclareMathFontFamily}
754 \otf@makeglobal{\string\Cr@DeclareMathFontFamily}
755 \newcommand*\Cr@DeclareFontFamily[6][]{%
756   \@for\Cr@variant:=#2\do{%
757     \DeclareFontFamily {#3}{#4-\Cr@variant}{#1}%
758   }%
759   \Cr@DeclareFontShapes{#3}{#4}
760   {#5} {#6} {#2}%
761 }
762 \otf@makeglobal{\Cr@DeclareFontFamily}
763 \otf@makeglobal{\string\Cr@DeclareFontFamily}
764 \newcommand*\Cr@DeclareFontShapes[5]{%
765   \@for\Cr@series:=#3\do{%
766     \@for\Cr@shape:=#4\do{%
767       \@for\Cr@variant:=#5\do{%
768         \Cr@DeclareFontShape{#1}{#2}{\Cr@series}{\Cr@shape}{\Cr@variant}%
769       }%
770     }%
771   }%
772 }
773 \otf@makeglobal{\Cr@DeclareFontShapes}

```

Adjust font dimension #1 of the current font. The function in #2 should replace the old value in `\Cr@fontdimen` with a new one (which may depend on other parameters like `\f@size`).

```

774 \newdimen\Cr@fontdimen
775 \newcommand*\Cr@adjust@fontdimen[2]{%
776   \Cr@fontdimen=\fontdimen#1\font
777   #2%
778   \fontdimen#1\font=\Cr@fontdimen
779 }
780 \otf@makeglobal{\Cr@adjust@fontdimen}
781 \ifx\@nodocument\relax
782   \endgroup

```

```

783 \fi
784 <*debug>
785 \newcommand\old@DeclareFontFamily{}
786 \let\old@DeclareFontFamily\DeclareFontFamily
787 \renewcommand\DeclareFontFamily[3]{
788   \begingroup\escapechar'\%
789   \edef\@tempa{\noexpand\DeclareFontFamily{#1}{#2}}%
790   \@temptokena\expandafter{\@tempa{#3}}%
791   \message{\the\@temptokena}%
792   \endgroup
793   \old@DeclareFontFamily{#1}{#2}{#3}%
794 }
795 \newcommand\old@DeclareFontShape{}
796 \let\old@DeclareFontShape\DeclareFontShape
797 \renewcommand\DeclareFontShape[6]{
798   \begingroup\escapechar'\%
799   \edef\@tempa{\noexpand\DeclareFontShape{#1}{#2}{#3}{#4}{#5}}%
800   \@temptokena\expandafter{\@tempa{#6}}%
801   \message{\the\@temptokena}%
802   \endgroup
803   \old@DeclareFontShape{#1}{#2}{#3}{#4}{#5}{#6}%
804 }
805 </debug>

```

We define font family aliases so that we can place all configurations for the CronosPro family variants into one microtype file: `mt-CronosPro.cfg`. We use microtype's hook if microtype has not been loaded yet (which should be the case); otherwise we can execute the alias definitions directly.

```

806 \gdef\Cr@MicroType@Aliases{%
807   \DeclareMicrotypeAlias{CronosPro-LF}{CronosPro}%
808   \DeclareMicrotypeAlias{CronosPro-OsF}{CronosPro}%
809   \DeclareMicrotypeAlias{CronosPro-TLF}{CronosPro}%
810   \DeclareMicrotypeAlias{CronosPro-TOsF}{CronosPro}%
811 }
812 \@ifundefined{Microtype@Hook}{%
813   \global\let\Microtype@Hook\Cr@MicroType@Aliases
814 }{%
815   \g@addto@macro\Microtype@Hook{\Cr@MicroType@Aliases}%
816 }%
817 \@ifundefined{DeclareMicroTypeAlias}{\Cr@MicroType@Aliases}%
818 </fontdef>

```

Using these macros the various `FD` files become simple one-liners.

```

819 <*fd>
820 \input{CronosPro-FontDef.sty}%
821 \Uextra \Cr@DeclareSmallFontFamily[Extra]{U} {CronosPro}
822 \OT1 \Cr@DeclareLargeFontFamily {OT1}{CronosPro}
823 \T1 \Cr@DeclareLargeFontFamily {T1} {CronosPro}
824 \LY1 \Cr@DeclareLargeFontFamily {LY1}{CronosPro}
825 \TS1 \Cr@DeclareLargeFontFamily {TS1}{CronosPro}

```



826 </fd>