



Ivan Valbusa

The  
**fontsize**  
package

v0.9 – 2024/12/04

The serif typeface is Cochineal, created by Michael Sharpe on the basis of Sebastian Kosch's Crimson. The typewriter font is Inconsolata, designed by Raph Levien and the sans serif text is typeset in Linux Biolinum, created by Philipp H. Poll.

## Legalese

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## Feedback

If you have any questions, feedback or requests please email me at `ivan dot valbusa at gmail dot com`. If you need specific features not already implemented, remember to attach the example files.

# User's guide to fontsize

## A small package to change the font size

v0.9 – 2024/12/04

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### Abstract

The `fontsize` package allows you to set arbitrary sizes for the main font of the document and to adjust the line spacing accordingly. It also provides new font sizing commands and lets you generate your own `.clo` file for better tuning.

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## Credits

The code is an excerpt of the `scrxend` and `scrfontsizes` packages (Neukam et al. 2020), with few minor changes to make it completely independent of the KOMA-script bundle and with a couple of new features. The package is updated to version 4034 2023-04-20 08:03:46Z of the `scrkernel-fonts.dtx` file.

## Caveat

Although effective with any value of the font size (as long as the font is scalable), the package is meant for small font size changes. For truly optimal results you should (re)define your own `.clo` file. In fact note that the file generated with `\generateclofile`, as well as the macros redefined via `\changefontsize`, are a subset of the standard `.clo` files.

## 1 Usage

The package can be loaded, as usual, with:

```
\usepackage[<options>]{fontsize}
```

## 1.1 Options

`fontsize` =  $\langle fontsize \rangle$  default: 10pt

Sets the normal size to  $\langle fontsize \rangle$  and the normal line spacing to  $1.2\langle fontsize \rangle$ . The other sizes (`\tiny`, `\scriptsize`, ecc.) and line spacings are set proportionally. You can use any unit recognized by T<sub>E</sub>X and you can omit the unit as well (in which case it defaults to pt).

Note that `fontsize` does not redefine some commands of the standard `.clo` files such as those related to the page layout and few others. For example the 12pt class option redefines `\Huge` (via `\let\Huge=\huge`) which is not redefined by `fontsize=12pt`. For these reasons, if possible, you should always set a font size class option that comes close to the one loaded by the package. For example with `fontsize=12.2pt` you should load the 12pt class option.

`parindent` =  $\langle dimen \rangle$  default:  $1.5\langle fontsize \rangle$

Sets the value of `\parindent`. You can use any unit recognized by T<sub>E</sub>X but for consistency it is preferable to use a font-dependent unit such as em.

Note that the "em" is simply an arbitrary unit that comes with a particular font. The value of `\parindent` given in ems depends on both the font used and on how or where it is set: whether before or after `\begin{document}`. For this reason, don't expect 1 em to always be equivalent to the currently specified  $\langle fontsize \rangle$ . If you don't like this behavior, use absolute units such as pt, cm or mm.

`cloname` =  $\langle name \rangle$  default: `fontsize`

If declared *before* `fontsize`, it loads the file named  $\langle name \rangle\langle fontsize \rangle.clo$  to setup the font sizes. This file can be generated through the `\generateclofile` command (see below).

`fsround` =  $\langle n \rangle$  default: 5

Rounds values to the  $\langle n \rangle$ th decimal place. If you are not interested in generating a `.clo` file, and then editing it, you should not need this option.

## 1.2 Commands

`\changefontsize`[ $\langle baselineskip \rangle$ ]{ $\langle fontsize \rangle$ } iff  $\langle baselineskip \rangle \geq \langle fontsize \rangle$

Sets the normal size to  $\langle fontsize \rangle$  and the normal line spacing to  $\langle baselineskip \rangle$ . The other sizes (`\tiny`, `\scriptsize`, ecc.) and line spacings are set proportionally. If the first optional argument is omitted, the command has the same effect of the `fontsize` option. You can use any unit recognized by T<sub>E</sub>X and you can omit the unit as well (in which case it defaults to pt).

```
\changefontsize[13.5pt]{11.5pt}
```

`\generateclofile`{ $\langle name \rangle$ }[ $\langle baselineskip \rangle$ ]{ $\langle fontsize \rangle$ } iff  $\langle baselineskip \rangle \geq \langle fontsize \rangle$

Generates a file named  $\langle name \rangle\langle fontsize \rangle.clo$  in which the normal size is  $\langle fontsize \rangle$  and the normal line spacing is  $\langle baselineskip \rangle$ . The other sizes (`\tiny`, `\scriptsize`, `\small`, ecc.) and line spacings are set proportionally. You can use any unit recognized by T<sub>E</sub>X and you can omit the unit as well (in which case it defaults to pt). If `cloname= $\langle name \rangle$`  and `fontsize= $\langle fontsize \rangle$` , the generated file will be automatically used to setup the main sizes.

*In fact the `.clo` file is only needed if you intend to modify it. In this case remember to comment the command, otherwise the edited file will be overwritten.*

```
\usepackage[cloname=fs,fontsize=11.5]{fontsize} % loads fs11.5.clo
\generateclofile{fs}[13.5]{11.5} % creates fs11.5.clo
```

`\printsamples{<baselineskip>}{<fontsize>}[<sizes>]`      iff  $\langle baselineskip \rangle \geq \langle fontsize \rangle$

A command thought to test the `fontsize` settings. It prints a text sample for every size given in the third optional argument. If this argument is omitted, it prints a sample for each available size. See the examples on page 8.

```
\printsamples{13pt}{11pt}[normalsizer,normalsizerr,normalsizerrr]
\printsamples{13.5pt}{12pt}
```

`\sampletext{<text>}`

Defines the `<text>` to be used by `\printsamples`.

### 1.3 New font sizing commands

The package provides three additional font sizing commands for each standard size (plus the new `\HUGE` command). See table 1 for details.

<code>\tiny</code>	Lipsum	<code>\LARGE</code>	Lipsum
<code>\tinyr</code>	Lipsum	<code>\LARGER</code>	Lipsum
<code>\tinyrr</code>	Lipsum	<code>\LARGERr</code>	Lipsum
<code>\tinyrrr</code>	Lipsum	<code>\LARGERrr</code>	Lipsum
<code>\scriptsize</code>	Lipsum	<code>\huge</code>	Lipsum
<code>\scriptsize r</code>	Lipsum	<code>\huger</code>	Lipsum
<code>\scriptsize rr</code>	Lipsum	<code>\hugerr</code>	Lipsum
<code>\scriptsize rrr</code>	Lipsum	<code>\hugerrr</code>	Lipsum
<code>\footnotesize</code>	Lipsum	<code>\Huge</code>	Lipsum
<code>\footnotesize r</code>	Lipsum	<code>\Huger</code>	Lipsum
<code>\footnotesize rr</code>	Lipsum	<code>\Hugerr</code>	Lipsum
<code>\footnotesize rrr</code>	Lipsum	<code>\Hugerrr</code>	Lipsum
<code>\small</code>	Lipsum	<code>\HUGE</code>	Lipsum
<code>\smallr</code>	Lipsum	<code>\HUGER</code>	Lipsum
<code>\smallrr</code>	Lipsum	<code>\HUGERr</code>	Lipsum
<code>\smallrrr</code>	Lipsum	<code>\HUGERrr</code>	Lipsum
<code>\normalsize</code>	Lipsum	<code>\HUGE r</code>	Lipsum
<code>\normalsize r</code>	Lipsum	<code>\HUGE rr</code>	Lipsum
<code>\normalsize rr</code>	Lipsum	<code>\HUGE rrr</code>	Lipsum
<code>\normalsize rrr</code>	Lipsum	<code>\HUGE rrr</code>	Lipsum
<code>\large</code>	Lipsum		
<code>\larger</code>	Lipsum		
<code>\largerr</code>	Lipsum		
<code>\largerrr</code>	Lipsum		
<code>\Large</code>	Lipsum		
<code>\Larger</code>	Lipsum		
<code>\Largerr</code>	Lipsum		
<code>\Largerrr</code>	Lipsum		



If you want these commands to work as expected, the font must be smoothly scalable. This is the case of many Type 1 and Open Type fonts such as Cochineal used in this document (Sharpe 2020), but if the font has optical sizes, unusual things can happen: some larger sizes may appear smaller. For

example, with the Latin Modern typeface (Jackowski and Nowacki 2009) a similar situation can be encountered when normal size is set to 12 pt:

<code>\largerr</code>	15.84 pt	Hello world	
<code>\larger</code>	15.12 pt	Hello world	
<code>\large</code>	14.40 pt	Hello world	

In fact the font used for the `\larger` ‘Hello world’ is bigger than that used for the `\large` one. This optical effect is due to the minor thickness of the stems, which makes the words appear shorter and clearer, but not less high (as you can see in the figure on the right which shows the letter H appropriately scaled to see the differences better).

Table 1: The value of all available sizes (rounded to the second decimal place) relative to `\normalsize` ranging from 8 pt to 12 pt with increments of 0.5 pt. The first row of each size shows the font size; the second row (colored in gray) shows the default line spacing

<code>\tiny</code>	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00
	4.80	5.06	5.40	5.65	6.00	6.30	6.54	6.90	7.14
<code>\tinyr</code>	4.33	4.60	4.88	5.15	5.42	5.69	5.96	6.23	6.50
	5.20	5.48	5.85	6.12	6.50	6.83	7.09	7.48	7.74
<code>\tinyrr</code>	4.67	4.96	5.25	5.54	5.83	6.13	6.42	6.71	7.00
	5.60	5.90	6.30	6.59	7.00	7.35	7.64	8.05	8.33
<code>\tinyrrr</code>	5.00	5.31	5.63	5.94	6.25	6.56	6.88	7.19	7.50
	6.00	6.32	6.75	7.07	7.50	7.88	8.18	8.63	8.93
<code>\scriptsize</code>	5.33	5.67	6.00	6.33	6.67	7.00	7.33	7.67	8.00
	6.40	6.74	7.20	7.54	8.00	8.40	8.73	9.20	9.52
<code>\scriptsize r</code>	5.67	6.02	6.38	6.73	7.08	7.44	7.79	8.15	8.50
	6.80	7.16	7.65	8.01	8.50	8.93	9.27	9.78	10.12
<code>\scriptsize rr</code>	6.00	6.38	6.75	7.13	7.50	7.88	8.25	8.63	9.00
	7.20	7.59	8.10	8.48	9.00	9.45	9.82	10.35	10.71
<code>\scriptsize rrr</code>	6.33	6.73	7.13	7.52	7.92	8.31	8.71	9.10	9.50
	7.60	8.01	8.55	8.95	9.50	9.98	10.36	10.93	11.31
<code>\footnotesize</code>	6.67	7.08	7.50	7.92	8.33	8.75	9.17	9.58	10.00
	8.00	8.43	9.00	9.42	10.00	10.50	10.91	11.50	11.90
<code>\footnotesize r</code>	6.83	7.25	7.68	8.10	8.53	8.96	9.38	9.81	10.24
	8.19	8.63	9.21	9.64	10.24	10.75	11.17	11.77	12.18
<code>\footnotesize rr</code>	6.98	7.42	7.86	8.29	8.73	9.17	9.60	10.04	10.48
	8.38	8.83	9.43	9.87	10.48	11.00	11.43	12.05	12.47
<code>\footnotesize rrr</code>	7.14	7.59	8.03	8.48	8.93	9.37	9.82	10.27	10.71
	8.57	9.03	9.64	10.09	10.71	11.25	11.69	12.32	12.75
<code>\small</code>	7.30	7.76	8.21	8.67	9.12	9.58	10.04	10.49	10.95
	8.76	9.23	9.85	10.32	10.95	11.50	11.94	12.59	13.03
<code>\small r</code>	7.48	7.94	8.41	8.88	9.34	9.81	10.28	10.75	11.21
	8.97	9.45	10.09	10.56	11.21	11.77	12.23	12.89	13.34
<code>\small rr</code>	7.65	8.13	8.61	9.08	9.56	10.04	10.52	11.00	11.48
	9.18	9.67	10.33	10.81	11.48	12.05	12.52	13.20	13.66
<code>\small rrr</code>	7.82	8.31	8.80	9.29	9.78	10.27	10.76	11.25	11.74
	9.39	9.89	10.56	11.06	11.74	12.32	12.80	13.50	13.97

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<code>\normalsize</code>	<b>8.00</b>	<b>8.50</b>	<b>9.00</b>	<b>9.50</b>	<b>10.00</b>	<b>10.50</b>	<b>11.00</b>	<b>11.50</b>	<b>12.00</b>
	9.60	10.20	10.80	11.40	12.00	12.60	13.20	13.80	14.40
<code>\normalsizer</code>	<b>8.40</b>	<b>8.92</b>	<b>9.45</b>	<b>9.98</b>	<b>10.50</b>	<b>11.02</b>	<b>11.55</b>	<b>12.08</b>	<b>12.60</b>
	10.08	10.62	11.34	11.87	12.60	13.23	13.74	14.49	14.99
<code>\normalsizerr</code>	<b>8.80</b>	<b>9.35</b>	<b>9.90</b>	<b>10.45</b>	<b>11.00</b>	<b>11.55</b>	<b>12.10</b>	<b>12.65</b>	<b>13.20</b>
	10.56	11.13	11.88	12.44	13.20	13.86	14.40	15.18	15.71
<code>\normalsizerrr</code>	<b>9.20</b>	<b>9.78</b>	<b>10.35</b>	<b>10.92</b>	<b>11.50</b>	<b>12.08</b>	<b>12.65</b>	<b>13.22</b>	<b>13.80</b>
	11.04	11.63	12.42	13.00	13.80	14.49	15.05	15.87	16.42
<code>\large</code>	<b>9.60</b>	<b>10.20</b>	<b>10.80</b>	<b>11.40</b>	<b>12.00</b>	<b>12.60</b>	<b>13.20</b>	<b>13.80</b>	<b>14.40</b>
	11.52	12.14	12.96	13.57	14.40	15.12	15.71	16.56	17.14
<code>\larger</code>	<b>10.08</b>	<b>10.71</b>	<b>11.34</b>	<b>11.97</b>	<b>12.60</b>	<b>13.23</b>	<b>13.86</b>	<b>14.49</b>	<b>15.12</b>
	12.10	12.74	13.61	14.24	15.12	15.88	16.49	17.39	17.99
<code>\largerr</code>	<b>10.56</b>	<b>11.22</b>	<b>11.88</b>	<b>12.54</b>	<b>13.20</b>	<b>13.86</b>	<b>14.52</b>	<b>15.18</b>	<b>15.84</b>
	12.67	13.35	14.26	14.92	15.84	16.63	17.28	18.22	18.85
<code>\largerrr</code>	<b>11.04</b>	<b>11.73</b>	<b>12.42</b>	<b>13.11</b>	<b>13.80</b>	<b>14.49</b>	<b>15.18</b>	<b>15.87</b>	<b>16.56</b>
	13.25	13.96	14.90	15.60	16.56	17.39	18.06	19.04	19.71
<code>\Large</code>	<b>11.52</b>	<b>12.24</b>	<b>12.96</b>	<b>13.68</b>	<b>14.40</b>	<b>15.12</b>	<b>15.84</b>	<b>16.56</b>	<b>17.28</b>
	13.82	14.57	15.55	16.28	17.28	18.14	18.85	19.87	20.56
<code>\Larger</code>	<b>12.10</b>	<b>12.85</b>	<b>13.61</b>	<b>14.36</b>	<b>15.12</b>	<b>15.88</b>	<b>16.63</b>	<b>17.39</b>	<b>18.14</b>
	14.52	15.29	16.33	17.09	18.14	19.05	19.79	20.87	21.59
<code>\Largerr</code>	<b>12.67</b>	<b>13.46</b>	<b>14.26</b>	<b>15.05</b>	<b>15.84</b>	<b>16.63</b>	<b>17.42</b>	<b>18.22</b>	<b>19.01</b>
	15.21	16.02	17.11	17.91	19.01	19.96	20.73	21.86	22.62
<code>\Largerrr</code>	<b>13.25</b>	<b>14.08</b>	<b>14.90</b>	<b>15.73</b>	<b>16.56</b>	<b>17.39</b>	<b>18.22</b>	<b>19.04</b>	<b>19.87</b>
	15.90	16.75	17.88	18.72	19.87	20.87	21.68	22.85	23.65
<code>\LARGE</code>	<b>13.82</b>	<b>14.69</b>	<b>15.55</b>	<b>16.42</b>	<b>17.28</b>	<b>18.14</b>	<b>19.01</b>	<b>19.87</b>	<b>20.74</b>
	16.59	17.48	18.66	19.54	20.74	21.77	22.62	23.85	24.68
<code>\LARGER</code>	<b>14.52</b>	<b>15.42</b>	<b>16.33</b>	<b>17.24</b>	<b>18.14</b>	<b>19.05</b>	<b>19.96</b>	<b>20.87</b>	<b>21.77</b>
	17.42	18.35	19.60	20.51	21.77	22.86	23.75	25.04	25.91
<code>\LARGEerr</code>	<b>15.21</b>	<b>16.16</b>	<b>17.11</b>	<b>18.06</b>	<b>19.01</b>	<b>19.96</b>	<b>20.91</b>	<b>21.86</b>	<b>22.81</b>
	18.25	19.23	20.53	21.49	22.81	23.95	24.88	26.23	27.15
<code>\LARGEerrr</code>	<b>15.90</b>	<b>16.89</b>	<b>17.89</b>	<b>18.88</b>	<b>19.88</b>	<b>20.87</b>	<b>21.86</b>	<b>22.86</b>	<b>23.85</b>
	19.08	20.10	21.46	22.47	23.85	25.04	26.02	27.43	28.38
<code>\huge</code>	<b>16.59</b>	<b>17.63</b>	<b>18.67</b>	<b>19.70</b>	<b>20.74</b>	<b>21.78</b>	<b>22.81</b>	<b>23.85</b>	<b>24.89</b>
	19.91	20.98	22.40	23.45	24.89	26.13	27.15	28.62	29.62
<code>\huger</code>	<b>17.42</b>	<b>18.51</b>	<b>19.60</b>	<b>20.69</b>	<b>21.78</b>	<b>22.86</b>	<b>23.95</b>	<b>25.04</b>	<b>26.13</b>
	20.90	22.03	23.52	24.62	26.13	27.44	28.50	30.05	31.09
<code>\hugerr</code>	<b>18.25</b>	<b>19.39</b>	<b>20.53</b>	<b>21.67</b>	<b>22.81</b>	<b>23.95</b>	<b>25.09</b>	<b>26.23</b>	<b>27.37</b>
	21.90	23.07	24.63	25.79	27.37	28.74	29.86	31.48	32.57
<code>\hugerrr</code>	<b>19.08</b>	<b>20.27</b>	<b>21.46</b>	<b>22.65</b>	<b>23.84</b>	<b>25.04</b>	<b>26.23</b>	<b>27.42</b>	<b>28.61</b>
	22.89	24.12	25.75	26.96	28.61	30.04	31.21	32.91	34.05
<code>\Huge</code>	<b>19.90</b>	<b>21.15</b>	<b>22.39</b>	<b>23.64</b>	<b>24.88</b>	<b>26.12</b>	<b>27.37</b>	<b>28.61</b>	<b>29.86</b>
	23.88	25.17	26.87	28.13	29.86	31.35	32.57	34.33	35.53
<code>\Huger</code>	<b>20.89</b>	<b>22.19</b>	<b>23.50</b>	<b>24.80</b>	<b>26.11</b>	<b>27.42</b>	<b>28.72</b>	<b>30.03</b>	<b>31.33</b>
	25.07	26.41	28.20	29.52	31.33	32.90	34.18	36.03	37.29
<code>\Hugerr</code>	<b>21.87</b>	<b>23.24</b>	<b>24.61</b>	<b>25.97</b>	<b>27.34</b>	<b>28.71</b>	<b>30.07</b>	<b>31.44</b>	<b>32.81</b>
	26.25	27.65	29.53	30.91	32.81	34.45	35.79	37.73	39.04
<code>\Hugerrr</code>	<b>22.86</b>	<b>24.28</b>	<b>25.71</b>	<b>27.14</b>	<b>28.57</b>	<b>30.00</b>	<b>31.43</b>	<b>32.86</b>	<b>34.28</b>
	27.43	28.90	30.86	32.30	34.28	36.00	37.40	39.43	40.80

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<code>\HUGE</code>	24.05	25.55	27.05	28.56	30.06	31.56	33.07	34.57	36.07
	28.86	30.41	32.46	33.98	36.07	37.88	39.35	41.48	42.93
<code>\HUGE r</code>	25.24	26.82	28.40	29.97	31.55	33.13	34.70	36.28	37.86
	30.29	31.91	34.07	35.67	37.86	39.75	41.30	43.54	45.05
<code>\HUGE rr</code>	26.43	28.08	29.74	31.39	33.04	34.69	36.34	38.00	39.65
	31.72	33.42	35.68	37.35	39.65	41.63	43.25	45.60	47.18
<code>\HUGE rrr</code>	27.62	29.35	31.08	32.80	34.53	36.26	37.98	39.71	41.44
	33.15	34.93	37.29	39.04	41.44	43.51	45.20	47.65	49.31

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## 1.4 Some text samples

The following samples are obtained with the `\printssamples` command (see section 1.2):

```
\printssamples{12.6pt}{10.6pt}[normalsize,normalsize r,normalsize rr,  
normalsize rrr,large,larger,largerr,largerrr]
```

### Text samples for `\normalsize 10.6pt on 12.6pt`

`\normalsize`: 10.6pt on 12.6pt. As any dedicated reader can clearly see, the Ideal of practical reason is a representation of, as far as I know, the things in themselves; as I have shown elsewhere, the phenomena should only be used as a canon for our understanding. The paralogsms of practical reason are what first give rise to the architectonic of practical reason. As will easily be shown in the next section, reason would thereby be made to contradict, in view of these considerations, the Ideal of practical reason, yet the manifold depends on the phenomena.

`\normalsize r`: 11.1pt on 13.1pt. As any dedicated reader can clearly see, the Ideal of practical reason is a representation of, as far as I know, the things in themselves; as I have shown elsewhere, the phenomena should only be used as a canon for our understanding. The paralogsms of practical reason are what first give rise to the architectonic of practical reason. As will easily be shown in the next section, reason would thereby be made to contradict, in view of these considerations, the Ideal of practical reason, yet the manifold depends on the phenomena.

`\normalsize rr`: 11.7pt on 13.8pt. As any dedicated reader can clearly see, the Ideal of practical reason is a representation of, as far as I know, the things in themselves; as I have shown elsewhere, the phenomena should only be used as a canon for our understanding. The paralogsms of practical reason are what first give rise to the architectonic of practical reason. As will easily be shown in the next section, reason would thereby be made to contradict, in view of these considerations, the Ideal of practical reason, yet the manifold depends on the phenomena.

`\normalsize rrr`: 12.2pt on 14.4pt. As any dedicated reader can clearly see, the Ideal of practical reason is a representation of, as far as I know, the things in themselves; as I have shown elsewhere, the phenomena should only be used as a canon for our understanding. The paralogsms of practical reason are what first give rise to the architectonic of practical reason. As will easily be shown in the next section, reason would thereby be made to contradict, in view of these considerations, the Ideal of practical reason, yet the manifold depends on the phenomena.

`\large`: 12.7pt on 15pt. As any dedicated reader can clearly see, the Ideal of practical reason is a representation of, as far as I know, the things in themselves; as I have shown



elsewhere, the phenomena should only be used as a canon for our understanding. The paralogisms of practical reason are what first give rise to the architectonic of practical reason. As will easily be shown in the next section, reason would thereby be made to contradict, in view of these considerations, the Ideal of practical reason, yet the manifold depends on the phenomena.

`\larger`: 13.4pt on 15.8pt. As any dedicated reader can clearly see, the Ideal of practical reason is a representation of, as far as I know, the things in themselves; as I have shown elsewhere, the phenomena should only be used as a canon for our understanding. The paralogisms of practical reason are what first give rise to the architectonic of practical reason. As will easily be shown in the next section, reason would thereby be made to contradict, in view of these considerations, the Ideal of practical reason, yet the manifold depends on the phenomena.

`\largerr`: 14pt on 16.5pt. As any dedicated reader can clearly see, the Ideal of practical reason is a representation of, as far as I know, the things in themselves; as I have shown elsewhere, the phenomena should only be used as a canon for our understanding. The paralogisms of practical reason are what first give rise to the architectonic of practical reason. As will easily be shown in the next section, reason would thereby be made to contradict, in view of these considerations, the Ideal of practical reason, yet the manifold depends on the phenomena.

`\largerrr`: 14.6pt on 17.3pt. As any dedicated reader can clearly see, the Ideal of practical reason is a representation of, as far as I know, the things in themselves; as I have shown elsewhere, the phenomena should only be used as a canon for our understanding. The paralogisms of practical reason are what first give rise to the architectonic of practical reason. As will easily be shown in the next section, reason would thereby be made to contradict, in view of these considerations, the Ideal of practical reason, yet the manifold depends on the phenomena.

## 2 Known issues

The `parindent` option does not work with classes and packages which sets `\parindent` inside the `\AtBeginDocument` hook (and other hooks). Among these is the `tufte` class (Kleb et al. 2015). In such cases you can set the default indentation, for example, with `\setlength{parindent}{\dimen}` declared *after* `\begin{document}`.



The `fontsize` package is incompatible with `relsize` by Arseneau and Swift (2013).

## 3 The Code

The parts added to the basic code of `scrxextend` and `scrfontsizes` are highlighted in blue.

All the options of the package are defined via `xkeyval` (Adriaens 2014), while the `xfp` package (The L<sup>A</sup>T<sub>E</sub>X Project 2021) provides the `\fpeval` command to use instead of `\dimexpr` for some size calculations. Only three new package options, called `cloname`, `parindent` and `fsround` are defined.

```

1 \ifpackageloaded{xkeyval}{}{\RequirePackage{xkeyval}}
2 \unless\ifdefined\fpeval\RequirePackage{xfp}\fi
3 \DeclareOptionX{cloname}[fontsize]{\def\@fontsizefilebase{#1}}
4 \DeclareOptionX{parindent}[\fscalc{1.5\@tempdimb}]{\def\@fontsizeparindent{#1}}
5 \DeclareOptionX{fsround}[5]{\def\@fsround{#1}}

```

**Excerpt from `scrextend.sty`** Here the `scrextend` code begins. All the KOMA related codes have been removed and only a few names have been changed. The value of `\@fontsizefilebase` is set to `fontsize` instead of `scrszize`.

```

6 \DeclareOptionX{fontsize}[10]{%
7   \expandafter\@defaultunits\expandafter\@tempdima#1 pt\relax\@nnil
8   \edef\@tempa{#1}%
9   \setlength{\@tempdimb}{\@tempdima}%
10  \edef\@tempb{\strip@pt\@tempdimb}%
11  \addtolength{\@tempdimb}{-10\p@}%
12  \edef\@ptsize{\strip@pt\@tempdimb}%
13  \edef\@tempa{%
14    \noexpand\makeatletter
15    \noexpand\InputIfFileExists{\@fontsizefilebase\@tempa.clo}{%
16      \noexpand\PackageInfo{fontsize}{%
17        File ‘\@fontsizefilebase\@tempa.clo’ used to setup font sizes}%
18      }{%
19        \noexpand\InputIfFileExists{\@fontsizefilebase\@tempb pt.clo}{%
20          \noexpand\PackageInfo{fontsize}{%
21            File ‘\@fontsizefilebase\@tempb pt.clo’ used instead of%
22            \noexpand\MessageBreak
23            file ‘\@fontsizefilebase\@tempa.clo’ to setup font sizes}%
24          }{%
25            \noexpand\changefontsize{#1}%
26          }%
27        }%
28      \noexpand\catcode‘\noexpand\@=\the\catcode‘\@
29      }%
30    \ifundefined{changefontsize}{%
31      \expandafter\AtEndOfPackage\expandafter{\@tempa}%
32    }{%
33      \@tempa
34    }
35  }

```

Now we can execute and process the new options defined above. As `cloname` is responsible for defining `\@fontsizefilebase` it must precede `fontsize` which uses this command. The `\ctm@setlength` and `\changefontsize` commands are simply new names, respectively, for `\scr@setlength` and `\changefontsizes` used in `scrextend.sty`.

```

36 \ExecuteOptionsX{cloname,fontsize,parindent,fsround}
37 \ProcessOptionsX*\relax

```

We introduce a new command to perform calculations via 0 The `\fsround` command is defined by

the `fround` option.

```
38 \NewDocumentCommand{\fscalcl}{m}{\fpeval{round(#1,\@fround)}}pt}
```

In the following code, #1, #2, #3, #4 have been wrapped in the `\fscalcl` command just defined.

```
39 \newcommand*{\ctm@setlength[4]{%
40   \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
41   \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
42   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
43   \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
44   \else
45   \setlength{#1}{\p@ \@plus\p@ \@minus\fscalcl{#4}}%
46   \fi
47   \else
48   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
49   \setlength{#1}{\p@ \@plus\fscalcl{#3} \@minus\p@}%
50   \else
51   \setlength{#1}{\p@ \@plus\fscalcl{#3} \@minus\fscalcl{#4}}%
52   \fi
53   \fi
54   \else
55   \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
56   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
57   \setlength{#1}{\fscalcl{#2} \@plus\p@ \@minus\p@}%
58   \else
59   \setlength{#1}{\fscalcl{#2} \@plus\p@ \@minus\fscalcl{#4}}%
60   \fi
61   \else
62   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
63   \setlength{#1}{\fscalcl{#2} \@plus\fscalcl{#3} \@minus\p@}%
64   \else
65   \setlength{#1}{\fscalcl{#2} \@plus\fscalcl{#3} \@minus\fscalcl{#4}}%
66   \fi
67   \fi
68   \fi
69 }
```

In the following code the default line spacing was set in `scrextend.sty` to  $1.2 \times \langle normal\ size \rangle$  using the basic calculation:  $1.2 \times \text{@tempdima}$ . Coherently with the other cases, here we prefer to use `\fscalcl`:

```
70 \providecommand*{\changefontsize}[2][\fscalcl{1.2*\@tempdima}]{%
71   \@defaultunits\@tempdima#2pt\relax\@nnil
72   \setlength{\@tempdimc}{\@tempdima}%
73   \addtolength{\@tempdimc}{-10\p@}%
74   \edef\@ptsize{\strip@pt\@tempdimc}%
75   \@defaultunits\@tempdimb#1pt\relax\@nnil
```

The value of `\@tempdimc` set in `scrextend.sty`

```
\setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}
```

returns an error when the line spacing is greater than 163.84 pt or the value passed to the `fontsize` option is greater than 136.53 pt. This is due to the intermediate calculation:  $100 \times \text{@tempdimb} = 16\,384$  pt, which is the maximum dimension that may be stored in plain  $\text{T}_{\text{E}}\text{X}$  and  $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$ . The problem, which is probably more theoretical than practical, can be solved simply by replacing the above code

with this (thanks to Claudio Beccari):

```

76 \setlength{\@tempdimc}{\fpeval{100*\@tempdimb/\@tempdima}pt}%
77 \edef\@tempb{\the\@tempdimc}%
78 \setlength{\@tempdimc}{\@tempdima}%
79 \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
80 \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
81 \ctm@setlength{\abovedisplayskip}%
82 {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
83 \ctm@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
84 \ctm@setlength{\belowdisplayshortskip}%
85 {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
86 \setlength{\belowdisplayskip}{\abovedisplayskip}%
87 \edef\reserved@a{%
88   \noexpand\@setfontsize\noexpand\normalsize
89   {\the\@tempdima}{\the\@tempdimb}%
90   \abovedisplayskip \the\abovedisplayskip
91   \abovedisplayshortskip \the\abovedisplayshortskip
92   \belowdisplayskip \the\belowdisplayskip
93   \belowdisplayshortskip \the\belowdisplayshortskip
94   \let\noexpand\@listi\noexpand\@listI
95 }%
96 \let\normalsize\@undefined
97 \expandafter\DeclareRobustCommand\expandafter\normalsize\expandafter{\reserved@a}%

```

Also in the following cases (up to page 20), the values of \@tempdima and \@tempdimb were calculated through \fscalc:

```

98 \setlength{\@tempdima}{\fscalc{0.9125\@tempdimc}}%
99 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
100 \ctm@setlength{\abovedisplayskip}%
101 {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
102 \ctm@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
103 \ctm@setlength{\belowdisplayshortskip}%
104 {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
105 \setlength{\belowdisplayskip}{\abovedisplayskip}%
106 \edef\reserved@a{%
107   \noexpand\@setfontsize\noexpand\small
108   {\the\@tempdima}{\the\@tempdimb}%
109   \abovedisplayskip \the\abovedisplayskip
110   \abovedisplayshortskip \the\abovedisplayshortskip
111   \belowdisplayskip \the\belowdisplayskip
112   \belowdisplayshortskip \the\belowdisplayshortskip
113   \let\noexpand\@listi\noexpand\@listi@small
114 }%
115 \let\small\@undefined
116 \expandafter\DeclareRobustCommand\expandafter\small\expandafter{\reserved@a} %
117 \setlength{\@tempdima}{\fscalc{.83334\@tempdimc}}%
118 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
119 \ctm@setlength{\abovedisplayskip}%
120 {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
121 \ctm@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
122 \ctm@setlength{\belowdisplayshortskip}%
123 {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
124 \setlength{\belowdisplayskip}{\abovedisplayskip}%

```

```

125 \edef\reserved@a{%
126   \noexpand\@setfontsize\noexpand\footnotesize
127   {\the\@tempdima}{\the\@tempdimb}%
128   \abovedisplayskip \the\abovedisplayskip
129   \abovedisplayshortskip \the\abovedisplayshortskip
130   \belowdisplayskip \the\belowdisplayskip
131   \belowdisplayshortskip \the\belowdisplayshortskip
132   \let\noexpand\@listi\noexpand\@listi@footnotesize
133 }%
134 \let\footnotesize\@undefined
135 \expandafter\DeclareRobustCommand\expandafter\footnotesize\expandafter{\reserved@a}%
136   \setlength{\@tempdima}{\fscalcl{.66667\@tempdimc}}%
137   \setlength{\@tempdimb}{\fscalcl{\@tempb\@tempdima}}%
138   \edef\reserved@a{%
139     \noexpand\@setfontsize\noexpand\scriptsize
140     {\the\@tempdima}{\the\@tempdimb}%
141   }%
142   \let\scriptsize\@undefined
143   \expandafter\DeclareRobustCommand\expandafter\scriptsize\expandafter{\reserved@a}%
144     \setlength{\@tempdima}{\fscalcl{.5\@tempdimc}}%
145     \setlength{\@tempdimb}{\fscalcl{\@tempb\@tempdima}}%
146     \edef\reserved@a{%
147       \noexpand\@setfontsize\noexpand\tiny
148       {\the\@tempdima}{\the\@tempdimb}%
149     }%
150     \let\tiny\@undefined
151     \expandafter\DeclareRobustCommand\expandafter\tiny\expandafter{\reserved@a}%
152       \setlength{\@tempdima}{\fscalcl{1.2\@tempdimc}}%
153       \setlength{\@tempdimb}{\fscalcl{\@tempb\@tempdima}}%
154       \edef\reserved@a{%
155         \noexpand\@setfontsize\noexpand\large
156         {\the\@tempdima}{\the\@tempdimb}%
157       }%
158       \let\large\@undefined
159       \expandafter\DeclareRobustCommand\expandafter\large\expandafter{\reserved@a}%
160         \setlength{\@tempdima}{\fscalcl{1.44\@tempdimc}}%
161         \setlength{\@tempdimb}{\fscalcl{\@tempb\@tempdima}}%
162         \edef\reserved@a{%
163           \noexpand\@setfontsize\noexpand\Large
164           {\the\@tempdima}{\the\@tempdimb}%
165         }%
166         \let\Large\@undefined
167         \expandafter\DeclareRobustCommand\expandafter\Large\expandafter{\reserved@a}%
168           \setlength{\@tempdima}{\fscalcl{1.728\@tempdimc}}%
169           \setlength{\@tempdimb}{\fscalcl{\@tempb\@tempdima}}%
170           \edef\reserved@a{%
171             \noexpand\@setfontsize\noexpand\LARGE
172             {\the\@tempdima}{\the\@tempdimb}%
173           }%
174           \let\LARGE\@undefined
175           \expandafter\DeclareRobustCommand\expandafter\LARGE\expandafter{\reserved@a}%
176             \setlength{\@tempdima}{\fscalcl{2.074\@tempdimc}}%
177             \setlength{\@tempdimb}{\fscalcl{\@tempb\@tempdima}}%
178             \edef\reserved@a{%
179               \noexpand\@setfontsize\noexpand\huge
180               {\the\@tempdima}{\the\@tempdimb}%

```

```

181 }%
182 \let\huge\undefined
183 \expandafter\DeclareRobustCommand\expandafter\huge\expandafter{\reserved@a}%
184 \setlength{\@tempdima}{\fscal{2.488\@tempdimc}}%
185 \setlength{\@tempdimb}{\fscal{\@tempb\@tempdima}}%
186 \edef\reserved@a{%
187   \noexpand\@setfontsize\noexpand\Huge
188   {\the\@tempdima}{\the\@tempdimb}%
189 }%
190 \let\Huge\undefined
191 \expandafter\DeclareRobustCommand\expandafter\Huge\expandafter{\reserved@a}%

```

We will now define some new font sizing commands. There are three variants for each standard command:  $\langle cmd \rangle r < \langle cmd \rangle rr < \langle cmd \rangle rrr$ . Every level is scaled proportionally in order to preserve the default value of the corresponding standard command.

```

192 \def\fontsize@pre{%
193   \ctm@setlength{\abovedisplayskip}%
194   {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
195   \ctm@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
196   \ctm@setlength{\belowdisplayshortskip}%
197   {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
198   \setlength{\belowdisplayskip}{\abovedisplayskip}%
199 }
200 \def\fontsize@app{%
201   \abovedisplayskip \the\abovedisplayskip%
202   \abovedisplayshortskip \the\abovedisplayshortskip%
203   \belowdisplayskip \the\belowdisplayskip%
204   \belowdisplayshortskip \the\belowdisplayshortskip%
205 }

```

Definition of  $\small r$ ,  $\small rr$ ,  $\small rrr$ .

Scale factor: 0,021875.

```

206 \setlength{\@tempdima}{\fscal{0.934375\@tempdimc}}%
207 \setlength{\@tempdimb}{\fscal{\@tempb\@tempdima}}%
208 \fontsize@pre
209 \edef\reserved@a{%
210   \noexpand\@setfontsize\noexpand\smallr
211   {\the\@tempdima}{\the\@tempdimb}%
212   \fontsize@app
213   \let\noexpand\@listi\noexpand\@listi@small
214 }%
215 \let\smallr\undefined
216 \expandafter\DeclareRobustCommand\expandafter\smallr\expandafter{\reserved@a}%
217 \setlength{\@tempdima}{\fscal{0.95625\@tempdimc}}%
218 \setlength{\@tempdimb}{\fscal{\@tempb\@tempdima}}%
219 \fontsize@pre
220 \edef\reserved@a{%
221   \noexpand\@setfontsize\noexpand\smallrr
222   {\the\@tempdima}{\the\@tempdimb}%
223   \fontsize@app
224   \let\noexpand\@listi\noexpand\@listi@small
225 }%
226 \let\smallrr\undefined
227 \expandafter\DeclareRobustCommand\expandafter\smallrr\expandafter{\reserved@a}%

```

```

228 \setlength{\@tempdima}{\fscalc{0.978125\@tempdimc}}%
229 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
230 \fontsize@pre
231 \edef\reserved@a{%
232   \noexpand\@setfontsize\noexpand\smallrrr
233   {\the\@tempdima}{\the\@tempdimb}%
234   \fontsize@app
235   \let\noexpand\@listi\noexpand\@listi@small
236   }%
237 \let\smallrrr\@undefined
238 \expandafter\DeclareRobustCommand\expandafter\smallrrr\expandafter{\reserved@a}%

```

Definition of \footnotesizer, \footnotesizerr, \footnotesizerrr.

Scale factor: 0.01979.

```

239 \setlength{\@tempdima}{\fscalc{0.85313\@tempdimc}}%
240 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
241 \fontsize@pre
242 \edef\reserved@a{%
243   \noexpand\@setfontsize\noexpand\footnotesizer
244   {\the\@tempdima}{\the\@tempdimb}%
245   \fontsize@app
246   \let\noexpand\@listi\noexpand\@listi@footnotesize
247   }%
248 \let\footnotesizer\@undefined
249 \expandafter\DeclareRobustCommand\expandafter\footnotesizer\expandafter{\reserved@a}%
250 \setlength{\@tempdima}{\fscalc{0.87292\@tempdimc}}%
251 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
252 \fontsize@pre
253 \edef\reserved@a{%
254   \noexpand\@setfontsize\noexpand\footnotesizerr
255   {\the\@tempdima}{\the\@tempdimb}%
256   \fontsize@app
257   \let\noexpand\@listi\noexpand\@listi@footnotesize
258   }%
259 \let\footnotesizerr\@undefined
260 \expandafter\DeclareRobustCommand\expandafter\footnotesizerr\expandafter{\reserved@a}%
261 \setlength{\@tempdima}{\fscalc{0.89271\@tempdimc}}%
262 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
263 \fontsize@pre
264 \edef\reserved@a{%
265   \noexpand\@setfontsize\noexpand\footnotesizerrr
266   {\the\@tempdima}{\the\@tempdimb}%
267   \fontsize@app
268   \let\noexpand\@listi\noexpand\@listi@footnotesize
269   }%
270 \let\footnotesizerrr\@undefined
271 \expandafter\DeclareRobustCommand\expandafter\footnotesizerrr\expandafter{\reserved@a}%

```

Definition of \scriptsize, \scriptsizeerr, \scriptsizeerrr.

Scale factor: 0,0416675.

```

272 \setlength{\@tempdima}{\fscalc{0.7083375\@tempdimc}}%
273 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
274 \edef\reserved@a{%
275   \noexpand\@setfontsize\noexpand\scriptsize

```

```

276   {\the\@tempdima}{\the\@tempdimb}%
277   }%
278   \let\scriptsize\@undefined
279   \expandafter\DeclareRobustCommand\expandafter\scriptsize\expandafter{\reserved@a}%
280   \setlength{\@tempdima}{\fscalc{0.750005\@tempdimc}}%
281   \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
282   \edef\reserved@a{%
283     \noexpand\@setfontsize\noexpand\scriptsize
284     {\the\@tempdima}{\the\@tempdimb}%
285   }%
286   \let\scriptsizeerr\@undefined
287   \expandafter\DeclareRobustCommand\expandafter\scriptsizeerr\expandafter{\reserved@a}%
288   \setlength{\@tempdima}{\fscalc{0.7916725\@tempdimc}}%
289   \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
290   \edef\reserved@a{%
291     \noexpand\@setfontsize\noexpand\scriptsizeerr
292     {\the\@tempdima}{\the\@tempdimb}%
293   }%
294   \let\scriptsizeerrr\@undefined
295   \expandafter\DeclareRobustCommand\expandafter\scriptsizeerrr\expandafter{\reserved@a}%

```

Definition of \tiny, \tinyrr, \tinyrrr.

Scale factor: 0.0416675.

```

296   \setlength{\@tempdima}{\fscalc{0.5416675\@tempdimc}}%
297   \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
298   \edef\reserved@a{%
299     \noexpand\@setfontsize\noexpand\tiny
300     {\the\@tempdima}{\the\@tempdimb}%
301   }%
302   \let\tiny\@undefined
303   \expandafter\DeclareRobustCommand\expandafter\tiny\expandafter{\reserved@a}%
304   \setlength{\@tempdima}{\fscalc{0.583335\@tempdimc}}%
305   \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
306   \edef\reserved@a{%
307     \noexpand\@setfontsize\noexpand\tinyrr
308     {\the\@tempdima}{\the\@tempdimb}%
309   }%
310   \let\tinyrr\@undefined
311   \expandafter\DeclareRobustCommand\expandafter\tinyrr\expandafter{\reserved@a}%
312   \setlength{\@tempdima}{\fscalc{0.6250025\@tempdimc}}%
313   \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
314   \edef\reserved@a{%
315     \noexpand\@setfontsize\noexpand\tinyrrr
316     {\the\@tempdima}{\the\@tempdimb}%
317   }%
318   \let\tinyrrr\@undefined
319   \expandafter\DeclareRobustCommand\expandafter\tinyrrr\expandafter{\reserved@a}%

```

Definition of \normalsize, \normalsizeerr, \normalsizeerrr.

Scale factor: 0.05.

```

320   \setlength{\@tempdima}{\fscalc{1.05\@tempdimc}}%
321   \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
322   \fontsize@pre
323   \edef\reserved@a{%

```



```

324 \noexpand\@setfontsize\noexpand\normalsizer
325 {\the\@tempdima}{\the\@tempdimb}%
326 \fontsize@app
327 \let\noexpand\@listi\noexpand\@listI
328 }%
329 \let\normalsizer\@undefined
330 \expandafter\DeclareRobustCommand\expandafter\normalsizer\expandafter{\reserved@a}%
331 \setlength{\@tempdima}{\fscal{1.1\@tempdimc}}%
332 \setlength{\@tempdimb}{\fscal{\@tempb\@tempdima}}%
333 \fontsize@pre
334 \edef\reserved@a{%
335 \noexpand\@setfontsize\noexpand\normalsizerr
336 {\the\@tempdima}{\the\@tempdimb}%
337 \fontsize@app
338 \let\noexpand\@listi\noexpand\@listI
339 }%
340 \let\normalsizerr\@undefined
341 \expandafter\DeclareRobustCommand\expandafter\normalsizerr\expandafter{\reserved@a}%
342 \setlength{\@tempdima}{\fscal{1.15\@tempdimc}}%
343 \setlength{\@tempdimb}{\fscal{\@tempb\@tempdima}}%
344 \fontsize@pre
345 \edef\reserved@a{%
346 \noexpand\@setfontsize\noexpand\normalsizerrr
347 {\the\@tempdima}{\the\@tempdimb}%
348 \fontsize@app
349 \let\noexpand\@listi\noexpand\@listI
350 }%
351 \let\normalsizerrr\@undefined
352 \expandafter\DeclareRobustCommand\expandafter\normalsizerrr\expandafter{\reserved@a}%

```

Definition of \larger, \largerr, \largerrr.

Scale factor: 0,06.

```

353 \setlength{\@tempdima}{\fscal{1.26\@tempdimc}}%
354 \setlength{\@tempdimb}{\fscal{\@tempb\@tempdima}}%
355 \edef\reserved@a{%
356 \noexpand\@setfontsize\noexpand\larger
357 {\the\@tempdima}{\the\@tempdimb}%
358 }%
359 \let\larger\@undefined
360 \expandafter\DeclareRobustCommand\expandafter\larger\expandafter{\reserved@a}%
361 \setlength{\@tempdima}{\fscal{1.32\@tempdimc}}%
362 \setlength{\@tempdimb}{\fscal{\@tempb\@tempdima}}%
363 \edef\reserved@a{%
364 \noexpand\@setfontsize\noexpand\largerr
365 {\the\@tempdima}{\the\@tempdimb}%
366 }%
367 \let\largerr\@undefined
368 \expandafter\DeclareRobustCommand\expandafter\largerr\expandafter{\reserved@a}%
369 \setlength{\@tempdima}{\fscal{1.38\@tempdimc}}%
370 \setlength{\@tempdimb}{\fscal{\@tempb\@tempdima}}%
371 \edef\reserved@a{%
372 \noexpand\@setfontsize\noexpand\largerrr
373 {\the\@tempdima}{\the\@tempdimb}%
374 }%
375 \let\largerrr\@undefined

```

376 \expandafter\DeclareRobustCommand\expandafter\Largerr\expandafter{\reserved@a}%

Definition of \Larger, \Largerr, \Largerrr.

Scale factor: 0,072.

```
377 \setlength{\@tempdima}{\fscalc{1.512\@tempdimc}}%
378 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
379 \edef\reserved@a{%
380   \noexpand\@setfontsize\noexpand\Larger
381   {\the\@tempdima}{\the\@tempdimb}%
382 }%
383 \let\Larger\@undefined
384 \expandafter\DeclareRobustCommand\expandafter\Larger\expandafter{\reserved@a}%
385 \setlength{\@tempdima}{\fscalc{1.584\@tempdimc}}%
386 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
387 \edef\reserved@a{%
388   \noexpand\@setfontsize\noexpand\Largerr
389   {\the\@tempdima}{\the\@tempdimb}%
390 }%
391 \let\Largerr\@undefined
392 \expandafter\DeclareRobustCommand\expandafter\Largerr\expandafter{\reserved@a}%
393 \setlength{\@tempdima}{\fscalc{1.656\@tempdimc}}%
394 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
395 \edef\reserved@a{%
396   \noexpand\@setfontsize\noexpand\Largerrr
397   {\the\@tempdima}{\the\@tempdimb}%
398 }%
399 \let\Largerrr\@undefined
400 \expandafter\DeclareRobustCommand\expandafter\Largerrr\expandafter{\reserved@a}%
```

Definition of \LARGE, \LARGEerr, \LARGEerrr.

Scale factor: 0,0865.

```
401 \setlength{\@tempdima}{\fscalc{1.8145\@tempdimc}}%
402 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
403 \edef\reserved@a{%
404   \noexpand\@setfontsize\noexpand\LARGE
405   {\the\@tempdima}{\the\@tempdimb}%
406 }%
407 \let\LARGE\@undefined
408 \expandafter\DeclareRobustCommand\expandafter\LARGE\expandafter{\reserved@a}%
409 \setlength{\@tempdima}{\fscalc{1.901\@tempdimc}}%
410 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
411 \edef\reserved@a{%
412   \noexpand\@setfontsize\noexpand\LARGEerr
413   {\the\@tempdima}{\the\@tempdimb}%
414 }%
415 \let\LARGEerr\@undefined
416 \expandafter\DeclareRobustCommand\expandafter\LARGEerr\expandafter{\reserved@a}%
417 \setlength{\@tempdima}{\fscalc{1.9875\@tempdimc}}%
418 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
419 \edef\reserved@a{%
420   \noexpand\@setfontsize\noexpand\LARGEerrr
421   {\the\@tempdima}{\the\@tempdimb}%
422 }%
423 \let\LARGEerrr\@undefined
```

424 \expandafter\DeclareRobustCommand\expandafter\LARGErrr\expandafter{\reserved@a}%

Definition of \huger, \hugerr, \hugerrr.

Scale factor: 0,1035.

```
425 \setlength{\@tempdima}{\fscalc{2.1775\@tempdimc}}%
426 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
427 \edef\reserved@a{%
428   \noexpand\@setfontsize\noexpand\huger
429   {\the\@tempdima}{\the\@tempdimb}%
430 }%
431 \let\huger\@undefined
432 \expandafter\DeclareRobustCommand\expandafter\huger\expandafter{\reserved@a}%
433 \setlength{\@tempdima}{\fscalc{2.281\@tempdimc}}%
434 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
435 \edef\reserved@a{%
436   \noexpand\@setfontsize\noexpand\hugerr
437   {\the\@tempdima}{\the\@tempdimb}%
438 }%
439 \let\hugerr\@undefined
440 \expandafter\DeclareRobustCommand\expandafter\hugerr\expandafter{\reserved@a}%
441 \setlength{\@tempdima}{\fscalc{2.3845\@tempdimc}}%
442 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
443 \edef\reserved@a{%
444   \noexpand\@setfontsize\noexpand\hugerrr
445   {\the\@tempdima}{\the\@tempdimb}%
446 }%
447 \let\hugerrr\@undefined
448 \expandafter\DeclareRobustCommand\expandafter\hugerrr\expandafter{\reserved@a}%
```

Definition of \Huger, \Hugerr, \Hugerrr.

Scale factor: 0.123.

```
449 \setlength{\@tempdima}{\fscalc{2.611\@tempdimc}}%
450 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
451 \edef\reserved@a{%
452   \noexpand\@setfontsize\noexpand\Huger
453   {\the\@tempdima}{\the\@tempdimb}%
454 }%
455 \let\Huger\@undefined
456 \expandafter\DeclareRobustCommand\expandafter\Huger\expandafter{\reserved@a}%
457 \setlength{\@tempdima}{\fscalc{2.734\@tempdimc}}%
458 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
459 \edef\reserved@a{%
460   \noexpand\@setfontsize\noexpand\Hugerr
461   {\the\@tempdima}{\the\@tempdimb}%
462 }%
463 \let\Hugerr\@undefined
464 \expandafter\DeclareRobustCommand\expandafter\Hugerr\expandafter{\reserved@a}%
465 \setlength{\@tempdima}{\fscalc{2.857\@tempdimc}}%
466 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
467 \edef\reserved@a{%
468   \noexpand\@setfontsize\noexpand\Hugerrr
469   {\the\@tempdima}{\the\@tempdimb}%
470 }%
471 \let\Hugerrr\@undefined
```

```
472 \expandafter\DeclareRobustCommand\expandafter\Hugerrr\expandafter{\reserved@a}%
```

Definition of \HUGE, \HUGER, \HUGERR, \HUGERRR.

Scale factor: 0,149.

```
473 \setlength{\@tempdima}{\fscalc{3.006\@tempdimc}}%
474 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
475 \edef\reserved@a{%
476   \noexpand\@setfontsize\noexpand\HUGE
477   {\the\@tempdima}{\the\@tempdimb}%
478 }%
479 \let\HUGE\@undefined
480 \expandafter\DeclareRobustCommand\expandafter\HUGE\expandafter{\reserved@a}%
481 \setlength{\@tempdima}{\fscalc{3.155\@tempdimc}}%
482 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
483 \edef\reserved@a{%
484   \noexpand\@setfontsize\noexpand\HUGER
485   {\the\@tempdima}{\the\@tempdimb}%
486 }%
487 \let\HUGER\@undefined
488 \expandafter\DeclareRobustCommand\expandafter\HUGER\expandafter{\reserved@a}%
489 \setlength{\@tempdima}{\fscalc{3.304\@tempdimc}}%
490 \setlength{\@tempdimb}{\fscalc{\@tempb\@tempdima}}%
491 \edef\reserved@a{%
492   \noexpand\@setfontsize\noexpand\HUGERR
493   {\the\@tempdima}{\the\@tempdimb}%
494 }%
495 \let\HUGERR\@undefined
496 \expandafter\DeclareRobustCommand\expandafter\HUGERR\expandafter{\reserved@a}%
497 \setlength{\@tempdima}{\fscalc{3.453\@tempdimc}}%
498 \setlength{\@tempdimb}{\@tempb\@tempdima}%
499 \edef\reserved@a{%
500   \noexpand\@setfontsize\noexpand\HUGERRR
501   {\the\@tempdima}{\the\@tempdimb}%
502 }%
503 \let\HUGERRR\@undefined
504 \expandafter\DeclareRobustCommand\expandafter\HUGERRR\expandafter{\reserved@a}%

505 \normalsize%
```

The KOMA files do not define \parindent and other lengths that are strictly linked to the font rather than to the dimensions of the page and the text. So we first define \parindent which defaults to  $1.5\langle\textit{fontsize}\rangle$ :

```
506 \setlength\parindent{\@fontsizeparindent}%
```

For the following lengths, all values are calculated proportionally to the main font. I took the bk11.clo file as a reference point. Note that the differences in the lengths affected by fontsize inside the bk\*.clo files only concern \headheight, \headsep, \topskip and \footskip.

```
507 \setlength\smallskipamount{
508   \fpeval{1.090909091\@tempdimb/4}pt \@plus 1\p@ \@minus 1\p@}%
509 \setlength\medskipamount{
510   \fpeval{1.090909091\@tempdimb/2}pt \@plus 2\p@ \@minus 2\p@}%
511 \setlength\bigskipamount{
512   \fpeval{1.090909091\@tempdimb}pt \@plus 4\p@ \@minus 4\p@}%
```

Table 2: The values of some specific lengths set by the package, in relation to some significant settings of the normal size. The values are expressed in pt and rounded to the second decimal place.

Normal size	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	11.00
<code>\parindent</code>	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	16.50
<code>\smallskipamount</code> ( <i>plus minus 1 pt</i> )	2.73	2.75	2.78	2.81	2.84	2.86	2.89	2.92	2.95	2.97	3.00
<code>\medskipamount</code> ( <i>plus minus 2 pt</i> )	5.45	5.51	5.56	5.62	5.67	5.73	5.78	5.84	5.89	5.95	6.00
<code>\bigskipamount</code> ( <i>plus minus 4 pt</i> )	10.91	11.02	11.13	11.24	11.35	11.45	11.56	11.67	11.78	11.89	12.00

```

513 \setlength{\@tempdimb}{\f@baselineskip}%
514 \ctm@setlength{\parsep}%
515 {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
516 \ctm@setlength{\topsep}%
517 {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
518 \@tempswafalse
519 \begingroup
520 \def\@list@extra{\aftergroup\@tempwattrue}%
521 \csname @listi\endcsname
522 \endgroup
523 \edef\@listi{\leftmargin\leftmargini
524 \topsep \the\topsep
525 \parsep \the\parsep
526 \itemsep \parsep
527 \if@tempswa\noexpand\@list@extra\fi
528 }%
529 \let\@listI\@listi
530 \ctm@setlength{\parsep}%
531 {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
532 \ctm@setlength{\topsep}%
533 {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
534 \@tempswafalse
535 \begingroup
536 \def\@list@extra{\aftergroup\@tempwattrue}%
537 \csname @listi\endcsname
538 \endgroup
539 \edef\@listi@small{\leftmargin\leftmargini
540 \topsep \the\topsep
541 \parsep \the\parsep
542 \itemsep \parsep
543 \if@tempswa\noexpand\@list@extra\fi
544 }%
545 \ctm@setlength{\parsep}%
546 {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
547 \ctm@setlength{\topsep}%
548 {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}%
549 \@tempswafalse
550 \begingroup
551 \def\@list@extra{\aftergroup\@tempwattrue}%
552 \csname @listi\endcsname
553 \endgroup
554 \edef\@listi@footnotesize{\leftmargin\leftmargini
555 \topsep \the\topsep
556 \parsep \the\parsep
557 \itemsep \parsep

```

```

558   \if@tempswa\noexpand\@list@extra\fi
559 }%
560 \ctm@setlength{\parsep}%
561 {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
562 \ctm@setlength{\topsep}%
563 {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
564 \@tempswafalse
565 \begingroup
566 \def\@list@extra{\aftergroup\@tempwattrue}%
567 \csname @listii\endcsname
568 \endgroup
569 \edef\@listii{\leftmargin\leftmarginii
570   \labelwidth=\dimexpr \leftmargin-\labelsep
571   \topsep \the\topsep
572   \parsep \the\parsep
573   \itemsep \parsep
574   \if@tempswa\noexpand\@list@extra\fi
575 }%
576 \ctm@setlength{\topsep}%
577 {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
578 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
579 \@tempswafalse
580 \begingroup
581 \def\@list@extra{\aftergroup\@tempwattrue}%
582 \csname @listiii\endcsname
583 \endgroup
584 \edef\@listiii{\leftmargin\leftmarginiii
585   \labelwidth=\dimexpr \leftmargin-\labelsep
586   \topsep \the\topsep
587   \parsep \z@
588   \partopsep \the\partopsep
589   \itemsep \topsep
590   \if@tempswa\noexpand\@list@extra\fi
591 }%
592 \@tempswafalse
593 \begingroup
594 \def\@list@extra{\aftergroup\@tempwattrue}%
595 \csname @listiv\endcsname
596 \endgroup
597 \edef\@listiv{\leftmargin\leftmarginiv
598   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
599   \if@tempswa\noexpand\@list@extra\fi
600 }%
601 \@tempswafalse
602 \begingroup
603 \def\@list@extra{\aftergroup\@tempwattrue}%
604 \csname @listv\endcsname
605 \endgroup
606 \edef\@listv{\leftmargin\leftmarginv
607   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
608   \if@tempswa\noexpand\@list@extra\fi
609 }%
610 \@tempswafalse
611 \begingroup
612 \def\@list@extra{\aftergroup\@tempwattrue}%
613 \csname @listvi\endcsname

```

```

614 \endgroup
615 \edef\@listvi{\leftmargin\leftmarginvi
616   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
617   \if@tempswa\noexpand\@list@extra\fi
618 }%
619 \@listi
620 \setlength{\@tempdimb}{\f@baselineskip}%
621 \setlength{\footnotesep}{.555\@tempdimb}%
622 \ctm@setlength{\skip\footins}%
623 {.75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
624 \ctm@setlength{\floatsep}%
625 {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
626 \ctm@setlength{\textfloatsep}%
627 {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
628 \setlength{\intextsep}{\floatsep}%
629 \setlength{\dblfloatsep}{\floatsep}%
630 \setlength{\dbltextfloatsep}{\textfloatsep}%
631 \setlength{\@fptop}{\z@ \@plus 1fil}%
632 \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
633 \setlength{\@fpbot}{\@fptop}%
634 \setlength{\@dblfp top}{\@fptop}%
635 \setlength{\@dblfp sep}{\@fpsep}%
636 \setlength{\@dblfp bot}{\@fptop}%
637 \ctm@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
638 }

```

**Excerpt from `scrfont sizes.sty`** Here is a portion of the `scrfont sizes` package. It simply provides the `\generatec lofile` command, without the KOMA related definitions. There are no reserved names for the `.c lo` files. The name of the command is a new name for the KOMA `\generatefontfile`. In fact what the command generates is a `.c lo` file.

```

639 \newcommand*\generatec lofile[1]{%
640 \kernel@ifnextchar [{\@generatefontfile{#1}}{\@@generatefontfile{#1}}%
641 }
642 \newcommand*\@generatefontfile{}
643 \def\@generatefontfile#1[#2]#3{%
644 \begingroup

```

At least starting from version 3.31 of `scrfont sizes`, the code of the `\@generatefontfile` and `\@@generatefontfile` commands sets the `\parskip` value to `0pt`. We also use `[#2]` in place of `[{#2}]` for the optional argument of `\change font size` used immediately below.

```

645 \setlength{\parskip}{0pt}%
646 \change font size[#2]{#3}%
647 \generate@fontfile{#1}{#3}%
648 \endgroup
649 }
650 \newcommand\@@generatefontfile[2]{%
651 \begingroup
652 \setlength{\parskip}{0pt}%
653 \change font size{#2}%
654 \generate@fontfile{#1}{#2}%
655 \endgroup
656 }
657 \newcommand*\@@@generatefontfile[2][{}]{
658 \newcommand*\@fontfile{}

```

```

659 \let\@fontfile\@mainaux
660 \newcommand*\{generate@fontfile}[2]{%
661 \def\@ind{\space\space}%
662 \immediate\openout\@fontfile #1#2.clo
663 \immediate\write\@fontfile{\@percentchar^^J%
664 \@percentchar\space This is file '#1#2.clo', generated with^^J%

```

In the next three lines we only replace 'scrfontsize' with 'fontsize' and 'Markus Kohm' with 'Ivan Valbusa', in order to get the correct information in the .log file.

```

665 \@percentchar\space fontsize
666 \csname ver@fontsize.\@pkgextension\endcsname,^^J%
667 \@percentchar\space Copyright (c) Ivan Valbusa.^^J%
668 \@percentchar^^J%
669 \string\ProvidesFile{#1#2.clo}[%
670 \the\year/\ifnum\month<10 0\fi\the\month/\ifnum\day<10 0\fi\the\day%
671 \space generated font size class option (#2)]}%
672 \immediate\write\@fontfile{%
673 \string\let\string\normalsize\string\@undefined^^J%
674 \string\DeclareRobustCommand\string\normalsize{\@percentchar^^J%
675 \@ind\string\@setfontsize\string\normalsize{\f@size}{\f@baselineskip}%
676 \@percentchar^^J%
677 \@ind\string\abovedisplayskip\space \the\abovedisplayskip^^J%
678 \@ind\string\abovedisplayshortskip\space \the\abovedisplayshortskip^^J%
679 \@ind\string\belowdisplayskip\space \the\belowdisplayskip^^J%
680 \@ind\string\belowdisplayshortskip\space \the\belowdisplayshortskip^^J%
681 \@ind\string\let\string\@listi\string\@listI^^J%
682 }\@percentchar%
683 }%
684 \begingroup\small\@listi
685 \immediate\write\@fontfile{%
686 \string\let\string\small\string\@undefined^^J%
687 \string\DeclareRobustCommand\string\small{\@percentchar^^J%
688 \@ind\string\@setfontsize\string\small{\f@size}{\f@baselineskip}%
689 \@percentchar^^J%
690 \@ind\string\abovedisplayskip\space \the\abovedisplayskip^^J%
691 \@ind\string\abovedisplayshortskip\space \the\abovedisplayshortskip^^J%
692 \@ind\string\belowdisplayskip\space \the\belowdisplayskip^^J%
693 \@ind\string\belowdisplayshortskip\space \the\belowdisplayshortskip^^J%
694 \@ind\string\def\string\@listi{\@percentchar^^J%
695 \@ind\@ind\string\leftmargin\string\leftmarginI^^J%
696 \@ind\@ind\string\topsep \the\topsep^^J%
697 \@ind\@ind\string\parsep \the\parsep^^J%
698 \@ind\@ind\string\itemsep \string\parsep^^J%
699 \@ind}\@percentchar^^J%
700 }\@percentchar%
701 }%
702 \endgroup
703 \begingroup\footnotesize\@listi
704 \immediate\write\@fontfile{%
705 \string\let\string\footnotesize\string\@undefined^^J%
706 \string\DeclareRobustCommand\string\footnotesize{\@percentchar^^J%
707 \@ind\string\@setfontsize\string\footnotesize{\f@size}{\f@baselineskip}%
708 \@percentchar^^J%
709 \@ind\string\abovedisplayskip\space \the\abovedisplayskip^^J%
710 \@ind\string\abovedisplayshortskip\space \the\abovedisplayshortskip^^J%

```



```

711 \@ind\string\belowdisplayskip\space \the\belowdisplayskip^^J%
712 \@ind\string\belowdisplayshortskip\space \the\belowdisplayshortskip^^J%
713 \@ind\string\def\string\@listi{\@percentchar^^J%
714 \@ind\@ind\string\leftmargin\string\leftmargini^^J%
715 \@ind\@ind\string\topsep \the\topsep^^J%
716 \@ind\@ind\string\parsep \the\parsep^^J%
717 \@ind\@ind\string\itemsep \string\parsep^^J%
718 \@ind}\@percentchar^^J%
719 }\@percentchar%
720 }%
721 \endgroup
722 \begingroup\scriptsize
723 \immediate\write\@fontfile{%
724 \string\let\string\scriptsize\string\@undefined^^J%
725 \string\DeclareRobustCommand\string\scriptsize{\@percentchar^^J%
726 \string\@setfontsize\string\scriptsize{\f@size}{\f@baselineskip}%
727 }\@percentchar%
728 }%
729 \endgroup
730 \begingroup\tiny
731 \immediate\write\@fontfile{%
732 \string\let\string\tiny\string\@undefined^^J%
733 \string\DeclareRobustCommand\string\tiny{\@percentchar^^J%
734 \string\@setfontsize\string\tiny{\f@size}{\f@baselineskip}%
735 }\@percentchar%
736 }%
737 \endgroup
738 \begingroup\large
739 \immediate\write\@fontfile{%
740 \string\let\string\large\string\@undefined^^J%
741 \string\DeclareRobustCommand\string\large{\@percentchar^^J%
742 \string\@setfontsize\string\large{\f@size}{\f@baselineskip}%
743 }\@percentchar%
744 }%
745 \endgroup
746 \begingroup\Large
747 \immediate\write\@fontfile{%
748 \string\let\string\Large\string\@undefined^^J%
749 \string\DeclareRobustCommand\string\Large{\@percentchar^^J%
750 \string\@setfontsize\string\Large{\f@size}{\f@baselineskip}%
751 }\@percentchar%
752 }%
753 \endgroup
754 \begingroup\LARGE
755 \immediate\write\@fontfile{%
756 \string\let\string\LARGE\string\@undefined^^J%
757 \string\DeclareRobustCommand\string\LARGE{\@percentchar^^J%
758 \string\@setfontsize\string\LARGE{\f@size}{\f@baselineskip}%
759 }\@percentchar%
760 }%
761 \endgroup
762 \begingroup\huge
763 \immediate\write\@fontfile{%
764 \string\let\string\huge\string\@undefined^^J%
765 \string\DeclareRobustCommand\string\huge{\@percentchar^^J%
766 \string\@setfontsize\string\huge{\f@size}{\f@baselineskip}%

```

```

767 } \@percentchar%
768 }%
769 \endgroup
770 \begingroup\Huge
771 \immediate\write\@fontfile{%
772     \string\let\string\Huge\string\@undefined^^J%
773     \string\DeclareRobustCommand\string\Huge{\@percentchar^^J%
774     \string\@setfontsize\string\Huge{\f@size}{\f@baselineskip}%
775     } \@percentchar%
776 }%
777 \endgroup

```

The new sizing commands previously defined are recalled here and written in the .clo file if the `\generateclocfile` command is used.

```

778 \begingroup\tinyr
779 \immediate\write\@fontfile{%
780     \string\let\string\tinyr\string\@undefined^^J%
781     \string\DeclareRobustCommand\string\tinyr{\@percentchar^^J%
782     \string\@setfontsize\string\tinyr{\f@size}{\f@baselineskip}%
783     } \@percentchar%
784 }%
785 \endgroup
786 \begingroup\tinyrr
787 \immediate\write\@fontfile{%
788     \string\let\string\tinyrr\string\@undefined^^J%
789     \string\DeclareRobustCommand\string\tinyrr{\@percentchar^^J%
790     \string\@setfontsize\string\tinyrr{\f@size}{\f@baselineskip}%
791     } \@percentchar%
792 }%
793 \endgroup
794 \begingroup\tinyrrr
795 \immediate\write\@fontfile{%
796     \string\let\string\tinyrrr\string\@undefined^^J%
797     \string\DeclareRobustCommand\string\tinyrrr{\@percentchar^^J%
798     \string\@setfontsize\string\tinyrrr{\f@size}{\f@baselineskip}%
799     } \@percentchar%
800 }%
801 \endgroup
802 \begingroup\scriptsize
803 \immediate\write\@fontfile{%
804     \string\let\string\scriptsize\string\@undefined^^J%
805     \string\DeclareRobustCommand\string\scriptsize{\@percentchar^^J%
806     \string\@setfontsize\string\scriptsize{\f@size}{\f@baselineskip}%
807     } \@percentchar%
808 }%
809 \endgroup
810 \begingroup\scriptsizeerr
811 \immediate\write\@fontfile{%
812     \string\let\string\scriptsizeerr\string\@undefined^^J%
813     \string\DeclareRobustCommand\string\scriptsizeerr{\@percentchar^^J%
814     \string\@setfontsize\string\scriptsizeerr{\f@size}{\f@baselineskip}%
815     } \@percentchar%
816 }%
817 \endgroup
818 \begingroup\scriptsizeerrr

```

```

819 \immediate\write\@fontfile{%
820     \string\let\string\scriptsizeerr\string\@undefined^^J%
821     \string\DeclareRobustCommand\string\scriptsizeerr{\@percentchar^^J%
822     \string\@setfontsize\string\scriptsizeerr{\f@size}{\f@baselineskip}%
823     }\@percentchar%
824 }%
825 \endgroup
826 \def\fs@appnormal{
827     \@percentchar^^J%
828     \@ind\string\abovedisplayskip\space \the\abovedisplayskip^^J%
829     \@ind\string\abovedisplayshortskip\space \the\abovedisplayshortskip^^J%
830     \@ind\string\belowdisplayskip\space \the\belowdisplayskip^^J%
831     \@ind\string\belowdisplayshortskip\space \the\belowdisplayshortskip^^J%
832     \@ind\string\let\string\@listi\string\@listI^^J%
833 }
834 \def\fs@appsmall{%
835     \@percentchar^^J%
836     \@ind\string\abovedisplayskip\space \the\abovedisplayskip^^J%
837     \@ind\string\abovedisplayshortskip\space \the\abovedisplayshortskip^^J%
838     \@ind\string\belowdisplayskip\space \the\belowdisplayskip^^J%
839     \@ind\string\belowdisplayshortskip\space \the\belowdisplayshortskip^^J%
840     \@ind\string\def\string\@listi{\@percentchar^^J%
841     \@ind\@ind\string\leftmargin\string\leftmarginI^^J%
842     \@ind\@ind\string\topsep \the\topsep^^J%
843     \@ind\@ind\string\parsep \the\parsep^^J%
844     \@ind\@ind\string\itemsep \string\parsep^^J%
845     \@ind}\@percentchar^^J%
846 }
847 \begingroup\smallr\@listi
848 \immediate\write\@fontfile{%
849     \string\let\string\smallr\string\@undefined^^J%
850     \string\DeclareRobustCommand\string\smallr{\@percentchar^^J%
851     \@ind\string\@setfontsize\string\smallr{\f@size}{\f@baselineskip}%
852     \fs@appsmall%
853     }\@percentchar%
854 }%
855 \endgroup
856 \begingroup\smallrr\@listi
857 \immediate\write\@fontfile{%
858     \string\let\string\smallrr\string\@undefined^^J%
859     \string\DeclareRobustCommand\string\smallrr{\@percentchar^^J%
860     \@ind\string\@setfontsize\string\smallrr{\f@size}{\f@baselineskip}%
861     \fs@appsmall%
862     }\@percentchar%
863 }%
864 \endgroup
865 \begingroup\smallrrr\@listi
866 \immediate\write\@fontfile{%
867     \string\let\string\smallrrr\string\@undefined^^J%
868     \string\DeclareRobustCommand\string\smallrrr{\@percentchar^^J%
869     \@ind\string\@setfontsize\string\smallrrr{\f@size}{\f@baselineskip}%
870     \fs@appsmall%
871     }\@percentchar%
872 }%
873 \endgroup
874 \begingroup\footnotesizer\@listi

```

```

875 \immediate\write\@fontfile{%
876     \string\let\string\footnotesizer\string\@undefined^^J%
877     \string\DeclareRobustCommand\string\footnotesizer{\@percentchar^^J%
878     \@ind\string\@setfontsize\string\footnotesizer{\f@size}{\f@baselineskip}%
879     \fs@appsml%
880     }\@percentchar%
881 }%
882 \endgroup
883 \begingroup\footnotesizerr\@listi
884 \immediate\write\@fontfile{%
885     \string\let\string\footnotesizerr\string\@undefined^^J%
886     \string\DeclareRobustCommand\string\footnotesizerr{\@percentchar^^J%
887     \@ind\string\@setfontsize\string\footnotesizerr{\f@size}{\f@baselineskip}%
888     \fs@appsml%
889     }\@percentchar%
890 }%
891 \endgroup
892 \begingroup\footnotesizerrr\@listi
893 \immediate\write\@fontfile{%
894     \string\let\string\footnotesizerrr\string\@undefined^^J%
895     \string\DeclareRobustCommand\string\footnotesizerrr{\@percentchar^^J%
896     \@ind\string\@setfontsize\string\footnotesizerrr{\f@size}{\f@baselineskip}%
897     \fs@appsml%
898     }\@percentchar%
899 }%
900 \endgroup
901 \begingroup\normalsizer
902 \immediate\write\@fontfile{%
903     \string\let\string\normalsizer\string\@undefined^^J%
904     \string\DeclareRobustCommand\string\normalsizer{\@percentchar^^J%
905     \@ind\string\@setfontsize\string\normalsizer{\f@size}{\f@baselineskip}%
906     \fs@appnormal%
907     }\@percentchar%
908 }%
909 \endgroup
910 \begingroup\normalsizerr
911 \immediate\write\@fontfile{%
912     \string\let\string\normalsizerr\string\@undefined^^J%
913     \string\DeclareRobustCommand\string\normalsizerr{\@percentchar^^J%
914     \@ind\string\@setfontsize\string\normalsizerr{\f@size}{\f@baselineskip}%
915     \fs@appnormal%
916     }\@percentchar%
917 }%
918 \endgroup
919 \begingroup\normalsizerrr
920 \immediate\write\@fontfile{%
921     \string\let\string\normalsizerrr\string\@undefined^^J%
922     \string\DeclareRobustCommand\string\normalsizerrr{\@percentchar^^J%
923     \@ind\string\@setfontsize\string\normalsizerrr{\f@size}{\f@baselineskip}%
924     \fs@appnormal%
925     }\@percentchar%
926 }%
927 \endgroup
928 \begingroup\larger
929 \immediate\write\@fontfile{%
930     \string\let\string\larger\string\@undefined^^J%

```

```

931     \string\DeclareRobustCommand\string\larger{\@percentchar^^J%
932     \string\setfontsize\string\larger{\f@size}{\f@baselineskip}%
933   }\@percentchar%
934 }%
935 \endgroup
936 \begingroup\largerr
937 \immediate\write\@fontfile{%
938   \string\let\string\largerr\string\@undefined^^J%
939   \string\DeclareRobustCommand\string\largerr{\@percentchar^^J%
940   \string\setfontsize\string\largerr{\f@size}{\f@baselineskip}%
941   }\@percentchar%
942 }%
943 \endgroup
944 \begingroup\largerrr
945 \immediate\write\@fontfile{%
946   \string\let\string\largerrr\string\@undefined^^J%
947   \string\DeclareRobustCommand\string\largerrr{\@percentchar^^J%
948   \string\setfontsize\string\largerrr{\f@size}{\f@baselineskip}%
949   }\@percentchar%
950 }%
951 \endgroup
952%\begingroup\Large
953%\immediate\write\@fontfile{%
954%   \string\let\string\Large\string\@undefined^^J%
955%   \string\DeclareRobustCommand\string\Large{\@percentchar^^J%
956%   \string\setfontsize\string\Large{\f@size}{\f@baselineskip}%
957%   }\@percentchar%
958%}%
959%\endgroup
960 \begingroup\Larger
961 \immediate\write\@fontfile{%
962   \string\let\string\Larger\string\@undefined^^J%
963   \string\DeclareRobustCommand\string\Larger{\@percentchar^^J%
964   \string\setfontsize\string\Larger{\f@size}{\f@baselineskip}%
965   }\@percentchar%
966 }%
967 \endgroup
968 \begingroup\Largerr
969 \immediate\write\@fontfile{%
970   \string\let\string\Largerr\string\@undefined^^J%
971   \string\DeclareRobustCommand\string\Largerr{\@percentchar^^J%
972   \string\setfontsize\string\Largerr{\f@size}{\f@baselineskip}%
973   }\@percentchar%
974 }%
975 \endgroup
976 \begingroup\Largerrr
977 \immediate\write\@fontfile{%
978   \string\let\string\Largerrr\string\@undefined^^J%
979   \string\DeclareRobustCommand\string\Largerrr{\@percentchar^^J%
980   \string\setfontsize\string\Largerrr{\f@size}{\f@baselineskip}%
981   }\@percentchar%
982 }%
983 \endgroup
984 \begingroup\LARGER
985 \immediate\write\@fontfile{%
986   \string\let\string\LARGER\string\@undefined^^J%

```

```

987     \string\DeclareRobustCommand\string\LARGER{\@percentchar^^J%
988     \string\setfontsize\string\LARGER{\f@size}{\f@baselineskip}%
989   }\@percentchar%
990 }%
991 \endgroup
992 \begingroup\LARGEerr
993 \immediate\write\@fontfile{%
994   \string\let\string\LARGEerr\string\@undefined^^J%
995   \string\DeclareRobustCommand\string\LARGEerr{\@percentchar^^J%
996   \string\setfontsize\string\LARGEerr{\f@size}{\f@baselineskip}%
997   }\@percentchar%
998 }%
999 \endgroup
1000 \begingroup\LARGEerrr
1001 \immediate\write\@fontfile{%
1002   \string\let\string\LARGEerrr\string\@undefined^^J%
1003   \string\DeclareRobustCommand\string\LARGEerrr{\@percentchar^^J%
1004   \string\setfontsize\string\LARGEerrr{\f@size}{\f@baselineskip}%
1005   }\@percentchar%
1006 }%
1007 \endgroup
1008 \begingroup\huger
1009 \immediate\write\@fontfile{%
1010   \string\let\string\huger\string\@undefined^^J%
1011   \string\DeclareRobustCommand\string\huger{\@percentchar^^J%
1012   \string\setfontsize\string\huger{\f@size}{\f@baselineskip}%
1013   }\@percentchar%
1014 }%
1015 \endgroup
1016 \begingroup\hugerr
1017 \immediate\write\@fontfile{%
1018   \string\let\string\hugerr\string\@undefined^^J%
1019   \string\DeclareRobustCommand\string\hugerr{\@percentchar^^J%
1020   \string\setfontsize\string\hugerr{\f@size}{\f@baselineskip}%
1021   }\@percentchar%
1022 }%
1023 \endgroup
1024 \begingroup\hugerrr
1025 \immediate\write\@fontfile{%
1026   \string\let\string\hugerrr\string\@undefined^^J%
1027   \string\DeclareRobustCommand\string\hugerrr{\@percentchar^^J%
1028   \string\setfontsize\string\hugerrr{\f@size}{\f@baselineskip}%
1029   }\@percentchar%
1030 }%
1031 \endgroup
1032 \begingroup\Huger
1033 \immediate\write\@fontfile{%
1034   \string\let\string\Huger\string\@undefined^^J%
1035   \string\DeclareRobustCommand\string\Huger{\@percentchar^^J%
1036   \string\setfontsize\string\Huger{\f@size}{\f@baselineskip}%
1037   }\@percentchar%
1038 }%
1039 \endgroup
1040 \begingroup\Hugerr
1041 \immediate\write\@fontfile{%
1042   \string\let\string\Hugerr\string\@undefined^^J%

```

```

1043     \string\DeclareRobustCommand\string\Hugerr{\@percentchar^^J%
1044     \string\setfontsize\string\Hugerr{\f@size}{\f@baselineskip}%
1045     }\@percentchar%
1046 }%
1047 \endgroup
1048 \begingroup\Hugerrr
1049 \immediate\write\@fontfile{%
1050     \string\let\string\Hugerrr\string\@undefined^^J%
1051     \string\DeclareRobustCommand\string\Hugerrr{\@percentchar^^J%
1052     \string\setfontsize\string\Hugerrr{\f@size}{\f@baselineskip}%
1053     }\@percentchar%
1054 }%
1055 \endgroup
1056 \begingroup\HUGE
1057 \immediate\write\@fontfile{%
1058     \string\let\string\HUGE\string\@undefined^^J%
1059     \string\DeclareRobustCommand\string\HUGE{\@percentchar^^J%
1060     \string\setfontsize\string\HUGE{\f@size}{\f@baselineskip}%
1061     }\@percentchar%
1062 }%
1063 \endgroup
1064 \begingroup\HUGEr
1065 \immediate\write\@fontfile{%
1066     \string\let\string\HUGEr\string\@undefined^^J%
1067     \string\DeclareRobustCommand\string\HUGEr{\@percentchar^^J%
1068     \string\setfontsize\string\HUGEr{\f@size}{\f@baselineskip}%
1069     }\@percentchar%
1070 }%
1071 \endgroup
1072 \begingroup\HUGErr
1073 \immediate\write\@fontfile{%
1074     \string\let\string\HUGErr\string\@undefined^^J%
1075     \string\DeclareRobustCommand\string\HUGErr{\@percentchar^^J%
1076     \string\setfontsize\string\HUGErr{\f@size}{\f@baselineskip}%
1077     }\@percentchar%
1078 }%
1079 \endgroup
1080 \begingroup\HUGErrr
1081 \immediate\write\@fontfile{%
1082     \string\let\string\HUGErrr\string\@undefined^^J%
1083     \string\DeclareRobustCommand\string\HUGErrr{\@percentchar^^J%
1084     \string\setfontsize\string\HUGErrr{\f@size}{\f@baselineskip}%
1085     }\@percentchar%
1086 }%
1087 \endgroup

1088 \immediate\write\@fontfile{\string\normalsize}%

```

The new lengths previously defined are recalled here and written in the .clo file if the `\generateclocfile` command is used.

```

1089 \begingroup
1090 \immediate\write\@fontfile{%
1091     \string\setlength{\string\parindent}{\the\parindent}^^J%
1092     \string\setlength{\string\headheight}{\the\headheight}^^J%
1093     \string\setlength{\string\smallskipamount}{\the\smallskipamount}^^J%

```

```

1094 \string\setlength{\string\medskipamount}{\the\medskipamount}^^J%
1095 \string\setlength{\string\bigskipamount}{\the\bigskipamount}^^J%
1096 }%
1097 \endgroup

1098 \immediate\write\@fontfile{%
1099 \string\setlength{\string\footnotesep}{\the\footnotesep}\@percentchar
1100 }%
1101 \immediate\write\@fontfile{%
1102 \string\setlength{\string\skip\string\footins}{\the\skip\footins}\@percentchar
1103 }%
1104 \immediate\write\@fontfile{%
1105 \string\setlength{\string\floatsep}{\the\floatsep}\@percentchar
1106 }%
1107 \immediate\write\@fontfile{%
1108 \string\setlength{\string\textfloatsep}{\the\textfloatsep}\@percentchar
1109 }%
1110 \immediate\write\@fontfile{%
1111 \string\setlength{\string\intextsep}{\the\intextsep}\@percentchar
1112 }%
1113 \immediate\write\@fontfile{%
1114 \string\setlength{\string\dblfloatsep}{\the\dblfloatsep}\@percentchar
1115 }%
1116 \immediate\write\@fontfile{%
1117 \string\setlength{\string\dbltextfloatsep}{\the\dbltextfloatsep}\@percentchar
1118 }%
1119 \immediate\write\@fontfile{%
1120 \string\setlength{\string\@fptop}{\the\@fptop}\@percentchar
1121 }%
1122 \immediate\write\@fontfile{%
1123 \string\setlength{\string\@fpsep}{\the\@fpsep}\@percentchar
1124 }%
1125 \immediate\write\@fontfile{%
1126 \string\setlength{\string\@fpbot}{\the\@fpbot}\@percentchar
1127 }%
1128 \immediate\write\@fontfile{%
1129 \string\setlength{\string\@dblftop}{\the\@dblftop}\@percentchar
1130 }%
1131 \immediate\write\@fontfile{%
1132 \string\setlength{\string\@dblpsep}{\the\@dblpsep}\@percentchar
1133 }%
1134 \immediate\write\@fontfile{%
1135 \string\setlength{\string\@dblpbot}{\the\@dblpbot}\@percentchar
1136 }%
1137 \immediate\write\@fontfile{%
1138 \string\setlength{\string\parttopsep}{\the\parttopsep}\@percentchar
1139 }%
1140 \begingroup
1141 \@listi
1142 \immediate\write\@fontfile{%
1143 \string\def\string\@listi{\@percentchar^^J%
1144 \@ind\string\leftmargin\string\leftmargini^^J%
1145 \@ind\string\topsep \the\topsep^^J%
1146 \@ind\string\parsep \the\parsep^^J%
1147 \@ind\string\itemsep \string\parsep^^J%
1148 }\@percentchar

```



```

1149 }%
1150 \endgroup
1151 \immediate\write\@fontfile{%
1152   \string\let\string\@listI\string\@listi
1153 }%
1154 \begingroup
1155 \@listii
1156 \immediate\write\@fontfile{%
1157   \string\def\string\@listii{\@percentchar^^J%
1158     \@ind\string\leftmargin\string\leftmarginii^^J%
1159     \@ind\string\labelwidth\string\leftmarginii^^J%
1160     \@ind\string\advance\string\labelwidth-\string\labelsep^^J%
1161     \@ind\string\topsep \the\topsep^^J%
1162     \@ind\string\parsep \the\parsep^^J%
1163     \@ind\string\itemsep \string\parsep^^J%
1164   }\@percentchar
1165 }%
1166 \endgroup
1167 \begingroup
1168 \@listiii
1169 \immediate\write\@fontfile{%
1170   \string\def\string\@listiii{\@percentchar^^J%
1171     \@ind\string\leftmargin\string\leftmarginiii^^J%
1172     \@ind\string\labelwidth\string\leftmarginiii^^J%
1173     \@ind\string\advance\string\labelwidth-\string\labelsep^^J%
1174     \@ind\string\topsep \the\topsep^^J%
1175     \@ind\string\parsep \the\parsep^^J%
1176     \@ind\string\partopsep \the\partopsep^^J%
1177     \@ind\string\itemsep \string\topsep^^J%
1178   }\@percentchar
1179 }%
1180 \endgroup
1181 \begingroup
1182 \@listiv
1183 \immediate\write\@fontfile{%
1184   \string\def\string\@listiv{\@percentchar^^J%
1185     \@ind\string\leftmargin\string\leftmarginiv^^J%
1186     \@ind\string\labelwidth\string\leftmarginiv^^J%
1187     \@ind\string\advance\string\labelwidth-\string\labelsep^^J%
1188   }\@percentchar
1189 }%
1190 \endgroup
1191 \begingroup
1192 \@listv
1193 \immediate\write\@fontfile{%
1194   \string\def\string\@listv{\@percentchar^^J%
1195     \@ind\string\leftmargin\string\leftmarginv^^J%
1196     \@ind\string\labelwidth\string\leftmarginv^^J%
1197     \@ind\string\advance\string\labelwidth-\string\labelsep^^J%
1198   }\@percentchar
1199 }%
1200 \endgroup
1201 \begingroup
1202 \@listvi
1203 \immediate\write\@fontfile{%
1204   \string\def\string\@listvi{\@percentchar^^J%

```

```

1205 \@ind\string\leftmargin\string\leftmarginvi^^J%
1206 \@ind\string\labelwidth\string\leftmarginvi^^J%
1207 \@ind\string\advance\string\labelwidth-\string\labelsep^^J%
1208 }\@percentchar
1209 }%
1210 \endgroup
1211 \immediate\write\@fontfile{%
1212 \string\@listi^^J%
1213 \string\endinput^^J%
1214 \@percentchar^^J%
1215 \@percentchar\space End of file '#1#2.clo'.
1216 }
1217 \immediate\closeout\@fontfile
1218 }
1219 \@onlypreamble\generatecfile

```

We will now define some internal commands to test the package functions. Since version 0.6 I have been using the  $\text{\LaTeX}$ 3 solution provided by Enrico Gregorio in place of the old macros based on etoolbox (Lehman and Wright 2019).

```

1220 \newcommand{\sampletext}[1]{\def\fs@sampletext{#1}}
1221 \def\fs@sampletext{%
1222   As any dedicated reader can clearly see, the Ideal of practical reason
1223   is a representation of, as far as I know, the things in themselves; as
1224   I have shown elsewhere, the phenomena should only be used as a canon for
1225   our understanding. The paralogisms of practical reason are what first give
1226   rise to the architectonic of practical reason. As will easily be shown in
1227   the next section, reason would thereby be made to contradict, in view of
1228   these considerations, the Ideal of practical reason, yet the manifold
1229   depends on the phenomena.}
1230
1231 \ExplSyntaxOn
1232
1233 \NewDocumentCommand{\printsamples}
1234 {
1235   m
1236   m
1237   O{tiny,tinyr,tinyrr,tinyrrr,
1238     scriptsize,scriptsize,scriptsizeerr,scriptsizeerr,
1239     footnotesize,footnotesize,footnotesizeerr,footnotesizeerr,
1240     small,smallr,smallrr,smallrrr,
1241     normalsize,normalsize,normalsizeerr,normalsizeerr,
1242     large,larger,largerr,largerrr,
1243     Large,Larger,Largerr,Largerrr,
1244     LARGE,LARGE,LARGEerr,LARGEerrr,
1245     huge,huger,hugerr,hugerrr,
1246     Huge,Huger,Hugerr,Hugerrr,
1247     HUGE,HUGE,HUGEerr,HUGEerrr,
1248   }
1249 }
1250 {
1251   \fontsize_printsamples:nnn { #1 } { #2 } { #3 }
1252 }
1253
1254 % helper function to print the rounded sizes
1255 \cs_new:Nn \__fontsize_round_f:n

```

```

1256 {
1257 \fp_eval:n { round(\use:c{f@#1},1) } pt
1258 }
1259
1260 % the main function
1261 \cs_new_protected:Nn \fontsize_printsamples:nnn
1262 {
1263 % group to bound the font changes
1264 \group_begin:
1265 % set the size
1266 \changefontsize[#1]{#2}\selectfont
1267 % header
1268 \subsubsection*{Text~samples~for~\symbol{92}normalsize~#2~on~#1}
1269 % map through the desired sizes
1270 \clist_map_inline:nn { #3 }
1271 {
1272 \use:c{##1} % set the font size
1273 \noindent\texttt{\symbol{92}##1}:~ % print the font size command
1274 \__fontsize_round_f:n {size}~on~ % print the size in points
1275 \__fontsize_round_f:n {baselineskip}.~ % print the baseline skip in points
1276 \fs@sampletext % sample text
1277 \par\addvspace{\medskipamount} % finish up
1278 }
1279 % close the group
1280 \group_end:
1281 }
1282 \ExplSyntaxOff

```

## References

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## Change History

v0.1	General: First public release . . . . . 1	Changed default name for the .clo file to fontsize. Updated documentation. 1
v0.2	General: Updated documentation and code comments. . . . . 1	v0.8 General: Corrected a bug occurring when the line spacing is greater than 163.84 pt. 1
v0.3	General: Added definitions of some lengths omitted from KOMA-script files: \smallskiamount, \medskiamount, \bigskiamount. Redefined \parindent and \headheight. . . . . 1	v0.8.1 General: New \sampletext command. Some lengths are now defined via xfp package. Removed \headheight definition. Updated documentation. . . . 1
v0.4	General: Maintenance release. Updated documentation. . . . . 1	v0.8.2 General: New \parindent option. Updated documentation. . . . . 1
v0.5	General: New font sizing commands from \normalsize up. New command \printssamples. Updated documentation. . . . . 1	v0.8.3 General: Corrected a bug in the \parindent option. Updated documentation. . . . . 1
v0.6	General: New font sizing commands from \small down. Updated documentation. . . . . 1	v0.8.4 General: Maintenance release. . . . . 1
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