The `draftcopy` package*

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Abstract

This package is used to print on some pages the word *DRAFT* (or the language dependend analogon) "behind" the intended stuff.

1 Introduction

Before releasing a document you may wish to give it to others to proof read it. But it should be clear to the reader that it is still a draft version of that document. To mark this, so it could not be overseen, you can print the word *DRAFT* with big and light grey letters onto some pages. This can be done with this package.

You can specify the intensity of the gray, the range of pages onto which the word *DRAFT* is printed and where it is printed (across the page or at the bottom). The word *DRAFT* is replaced according to the language you are using, e.g. in german you get *ENTWURF*. You may also specify any word to be used instead of *DRAFT*. From now on in this document *DRAFT* stands for that word.

Credits go the the Unkown, who started this as a LaTeX style file containing only the central `special` Postscript command printing english word *DRAFT* on each page of the document. Credits also to those, who send me translations of the word *DRAFT* and bug-reports and bug-fixes as well ideas for more functionality (see in the sources).

For *italian*, *dutch*, *finnish* and *french* two proposals exists. Have a look and change it (in the file `draftcopy.sty`, or by using `\draftcopyName`) according to your mind.

2 User Interface

2.1 Options

Options for this package are:

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*This not a DRAFT version of this document. Its simply documentation and demonstration of the package in one document.

english, german, ...	This package accepts the language options of the `babel` package[1]. The `babel` package is not loaded by `draftcopy`.
none	Don't print *DRAFT* across of any page.
first	Prints *DRAFT* across only on the first page.
firsttwo	Prints *DRAFT* across only on the first two pages.
all	Prints *DRAFT* across on all pages of the document.
bottom	Prints *DRAFT* on all pages at the bottom of the page.
bottomafter	Prints *DRAFT* at the bottom of the pages following the pages which have *DRAFT* across them.
outline	The word *DRAFT* is printed with outlined letters.
light	The word *DRAFT* is printed with a light grey.
dark	The word *DRAFT* is printed with a dark grey.
dvips, vtex, textures, ...	This package accepts the options of the `graphics` package[2]. The `graphics` package is not loaded by `draftcopy`.
portrait	Page is in portrait shape.
landscape	Page is in landscape shape.
conditional	Obey the (global) `draft` and `final` options. If `conditional` and `draft` are given, then the *DRAFT* text is printed. If `conditional` and `final` are given, *DRAFT* is not printed. Only `conditional` is given, *DRAFT* is not printed. If `conditional` is not given then `draft` and `final` are ignored, and the *DRAFT* text is printed always.
draft	Print the *DRAFT* text.
final	Don't print any *DRAFT* text.
timestamp	Print together with the word *DRAFT* a timestamp and the text given by the `draftcopyVersion` macro.

The default options are: *dvips,english,all,dark,portrait*, which corresponds to the behaviour of the old implementation of this package. The file `draftcopy.cfg` specifies the default Postscript driver. This specification is overruled, if the driver option is given explicitly.

2.2 Commands

Additionally to the options, each feature may be set by commands, which must be placed in the preamble of the document.

\draftcopySetGrey
- Set the intensity of the gray. The argument value range from 0.0 to 1.0, where the smaller values darker.

\draftcopyFirstPage
- The argument specifies the first page onto which *DRAFT* will be printed. This is the physical page number.

\draftcopyLastPage
- The argument specifies the last page onto which *DRAFT* will be printed. This is the physical page number.

\draftcopyName
- The first argument specifies the word to be printed instead of *DRAFT*, the

---

[1]Currently not all languages are supported, I still need volunteers to send me translation of the word *DRAFT* into the other languages LaTeX2e with its babel package supports.

[2]Currently only `dvips`, `dvipsone`, `dvipswindo`, and `textures` are supported. All others are mapped to `dvips`. If you are using another driver, let me know what to.

second, gives the scale factor for the font to be used. E.g. the english word *DRAFT* needs 215, the german *ENTWURF* needs 155. To add spaces in the word use the `\space` macro.

`\draftcopySetScale` • Change the default size of the word *DRAFT*.

`\draftcopySetScaleFactor` • Change the multipiler of the scale.

`\draftcopyPageTransform` • and

`\draftcopyBottomTransform` • take raw PostScript to set the LL-corner of the *DRAFT* string Use them *before* the `\begin{document}`. For code examples: Have a look to the definition of the `portrait` and `landscape` options.

`\draftcopyPageX` • and

`\draftcopyPageY` • are integer values specifying the coorinates starting the *DRAFT* string on the page (default 0).

`\draftcopyBottomX` • and

`\draftcopyBottomY` • are integer values specifying the coorinates starting the *DRAFT* string on the bootom line (default 0).

`\draftcopyVersion` • The argument is printed together with the timestamp.

3   A Few Warnings

The result of printing *DRAFT* onto the page will be visible only in the Postscript output, not in the DVI output. The other text will be visible always. Sometimes *ghostview* has problems in presenting the correct result, use *ghostscript (gs)* instead. The printed result should always meet your intension.

Currently this package works only for Postscript and not for PDF, sorry.

4   Copyright

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5   The Documentation Driver File

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

```
1 ⟨∗driver⟩
2 \documentclass[english,a4paper]{article}
3 \usepackage{doc}
```

```
 4 \usepackage[latin1]{inputenc}
 5 \usepackage{babel}
 6 \usepackage[light,first,bottomafter]{draftcopy}
 7 \RecordChanges
 8 \EnableCrossrefs
 9 \CodelineIndex
10 \begin{document}
11 \DocInput{draftcopy.doc}
12 \PrintChanges
13 \setcounter{IndexColumns}{2}
14 \PrintIndex
15 \end{document}
16 ⟨/driver⟩
```

6 Configuration

You should set up the default Postscript driver in the file `draftcopy.cfg`. For a reasonable value have a look to the file `graphics.cfg` from the `graphics` package. The distributed default is `dvips`.

```
17 ⟨*config⟩
18 \ifx\OpMode\undefined
19 \ExecuteOptions{dvips}
20 \else
21 \ExecuteOptions{vtex}
22 \fi
23 ⟨/config⟩
```

7 The Implementation

The implementation is based on manipulating the Postscript output, using the `special` command.

What do we need, and who we are:

```
24 ⟨*package⟩
25 \NeedsTeXFormat{LaTeX2e}
26 \ProvidesPackage{draftcopy}[2002/07/17 v2.17]
```

Declaration of the conditional handling options (based on an idea of Warren Smith <wds@research.nj.nec.com>).

```
27 \newif\ifdraftcopy@conditional
28 \newif\ifdraftcopy@draft
29 \newif\ifdraftcopy@final
30 \DeclareOption{conditional}{
31   \draftcopy@conditionaltrue
32 }
33 \DeclareOption{draft}{
34   \draftcopy@drafttrue
35 }
36 \DeclareOption{final}{
37   \draftcopy@finaltrue
38 }
```

Declaration of the the timestamp option.

```
39 %␣Compute␣the␣timestamp␣based␣on␣an␣idea␣of
40 %␣Tim␣Piessens␣\texttt{<Tim.Piessens@esat.kuleuven.ac.be>}.
41 %␣␣␣␣\begin{macrocode*}
42 \def\draftcopy@Timestamp{}
43 \def\draftcopy@version{}
44 \newcount\draftcopy@hour␣\newcount\draftcopy@minute
45 \draftcopy@hour=\time
46 \divide␣\draftcopy@hour␣by␣60
47 \draftcopy@minute=\time
48 \count@=\draftcopy@hour
49 \multiply␣\count@␣by␣-60
50 \advance␣\draftcopy@minute␣by␣\count@
51 \newcommand{\draftcopy@daytime}{%
52 ␣␣␣\ifnum\draftcopy@hour=0␣00\else\ifnum\draftcopy@hour<10␣0\fi%
53 ␣␣␣\number\draftcopy@hour\fi:%
54 ␣␣\ifnum\draftcopy@minute<10␣0\fi\number\draftcopy@minute%
55 }
56
57 \DeclareOption{timestamp}{
58 ␣␣␣\def\draftcopy@Timestamp{%
59 ␣␣␣\draftcopy@Show
60 ␣␣␣\draftcopy@PageX␣\draftcopy@PageY␣-40␣add␣moveto
61 ␣␣␣/Times-Roman␣findfont␣50␣\draftcopy@ScaleFactor␣mul␣scalefont␣setfont
62 ␣␣␣(\draftcopy@version␣\today␣--␣\draftcopy@daytime)
63 ␣␣␣}
64 }
```

Declaration of various graphic driver options. Different DVI driver use different names :-(

```
65 ␣% VTEX-support: Thanks to "MicroPress Inc." <support@micropress-inc.com>
66 \let\immediate@special=\special
67 \DeclareOption{vtex}{
68 ␣\def\immediate@special{\immediate\special}
69 ␣\immediate@special{!bophook bop-hook}
70 ␣\def\draftcopy@BOPhook{/bop-hook}
71 ␣\def\draftcopy@UserDictCmd{pS: userdict }
72 ␣% MV & AK <mv@micropress-inc.com>
73 }
74 \DeclareOption{dvips}{
75 ␣\def\draftcopy@BOPhook{/bop-hook}
76 ␣\def\draftcopy@UserDictCmd{! userdict }
77 }
78 \DeclareOption{dvipsone}{
79 ␣% thanks to V. P. Stokes <virgil.stokes@neuro.ki.se>
80 ␣% thanks to Y&Y Help Line <support@YandY.com>
81 ␣% thanks to "H. Salehfar" <hsalehfa@sage.und.nodak.edu>
82 ␣\def\draftcopy@BOPhook{/bphook}
83 ␣\def\draftcopy@UserDictCmd{! dvidict}
84 }
85 \DeclareOption{textures}{
86 ␣% thanks to Jerome LAURENS \texttt{laurens@u-bourgogne.fr>
87 ␣\def\draftcopy@BOPhook{/bop-hook}
88 ␣\def\draftcopy@UserDictCmd{prepostscript userdict}
89 }
```

```
90
91 \DeclareOption{dviwindo}{\ExecuteOptions{dvipsone}}
92
93 % For the following |dvips| will be used. I don't know it better.
94 \DeclareOption{xdvi}{\ExecuteOptions{dvips}}
95 \DeclareOption{dvi2ps}{\ExecuteOptions{dvips}}
96 \DeclareOption{dvialw}{\ExecuteOptions{dvips}}
97 \DeclareOption{dvilaser}{\ExecuteOptions{dvips}}
98 \DeclareOption{dvitops}{\ExecuteOptions{dvips}}
99 \DeclareOption{emtex}{\ExecuteOptions{dvips}}
100 \DeclareOption{dviwin}{\ExecuteOptions{dvips}}
101 \DeclareOption{oztex}{\ExecuteOptions{dvips}}
102 \DeclareOption{psprint}{\ExecuteOptions{dvips}}
103 \DeclareOption{pubps}{\ExecuteOptions{dvips}}
104 \DeclareOption{pctexps}{\ExecuteOptions{dvips}}
105 \DeclareOption{pctexwin}{\ExecuteOptions{dvips}}
106 \DeclareOption{pctexhp}{\ExecuteOptions{dvips}}
107 \DeclareOption{ln}{\ExecuteOptions{dvips}}
```

To printed the word *DRAFT* in outlined letter or normal letters we use different methods of showing text: Normal letters are printed using the PostScript `show` command. Outlined letters are printed using `charpath` and `stroke` (See the example in the *red* PostScipt book). The idea for this option is from Harriet B. Borton `<bortonh@rpi.edu>`

```
108 \def\draftcopy@Show{show␣}
109 \DeclareOption{outline}{
110 ␣␣\def\draftcopy@Show{false␣charpath␣2␣setlinewidth␣stroke␣}
111 }
```

Here we define the options for setting the intensity of the gray. Smaller values mean darker.

```
112 \DeclareOption{light}{
113     \def\draftcopy@GrayValue{0.90}
114 }
115
116 \DeclareOption{dark}{
117     \def\draftcopy@GrayValue{0.85}
118 }
```

Here we define the options, which specify the range of pages where *DRAFT* will be printed across pages. We use the Postcript variable `draftcopy-LastPage` to store the number.

```
119 \DeclareOption{none}{
120   \def\draftcopy@LastPage{0}
121 }
122 \DeclareOption{first}{
123   \def\draftcopy@LastPage{1}
124 }
125 \DeclareOption{firsttwo}{
126   \def\draftcopy@LastPage{2}
127 }
128 \DeclareOption{all}{
129   \def\draftcopy@LastPage{99999}
130 }
```

6

The option to print *DRAFT* at the bottom of all pages. The idea for the `bottom` options and the corresponding PostScript code is from Paolo Ienne `<Paolo.Ienne@di.epfl.ch>`.

```
131 \newif\ifdraftcopy@bottom
132 \DeclareOption{bottom}{
133   \draftcopy@bottomtrue
134 }
```

The option to print *DRAFT* at the bottom of the page, after the initial pages containing *DRAFT* printed across of a page.

```
135 \newif\ifdraftcopy@bottomAfter
136 \DeclareOption{bottomafter}{
137   \draftcopy@bottomAftertrue
138 }
```

Define the word *DRAFT* and its scaling, in case no language option is given. The Postscript variable `draftcopy@Name` holds the word for *DRAFT* of that language and `draftcopy@Scale` is a font scale factor, it must be determined empirically.

```
139 \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
```

The babel language options are honored, even currently not all of them have a translation for the word *DRAFT*. Most of them use latin characters, hence we use `Times-Roman`. The macro `draftcopy@Font` holds the font name.

```
140 \def\draftcopy@Font{/Times-Roman}
141 \DeclareOption{american}{
142 ␣␣\def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
143 }
144 \DeclareOption{austrian}{
145 ␣␣\def\draftcopy@Name{ENTWURF}\def\draftcopy@Scale{155}
146 }
147 \DeclareOption{bahasa}{
148 ␣␣%␣thanks␣to␣Glenn␣G.␣Chappell␣<gchappell@semovm.semo.edu>
149 ␣␣\def\draftcopy@Name{DRAF}\def\draftcopy@Scale{217}
150 }
151 \DeclareOption{brazil}{
152 ␣␣%␣thanks␣to␣"Christian␣Naaktgeboren"␣<chrisnaak@yahoo.com>
153 ␣␣\def\draftcopy@Name{RASCUNHO}\def\draftcopy@Scale{130}
154 }
155 \DeclareOption{brazilian}{
156 ␣␣%␣thanks␣to␣"Christian␣Naaktgeboren"␣<chrisnaak@yahoo.com>
157 ␣␣\def\draftcopy@Name{RASCUNHO}\def\draftcopy@Scale{130}
158 }
159 \DeclareOption{breton}{
160 ␣␣\def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
161 }
162 \DeclareOption{british}{
163 ␣␣\def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
164 }
165 \DeclareOption{catalan}{
166 ␣␣%␣thanks␣to␣Dav␣<davpuig@mx3.redestb.es>
167 ␣␣%␣thanks␣to␣Xavier␣<xml@mat.upc.es>
168 ␣␣\def\draftcopy@Name{ESBORRANY}\def\draftcopy@Scale{110}
169 }
```

```
170 \DeclareOption{croatian}{
171 ␣␣\def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
172 }
173 \DeclareOption{czech}{
174 ␣␣\def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
175 }
176 \DeclareOption{danish}{
177 ␣␣%␣thanks␣to␣Ejnar␣Zacho␣Rath␣<ezr@md-oss.dk>,
178 ␣␣%␣thanks␣to␣Bjarne␣Vestergaard␣<bvbruder@dfi.aau.dk>
179 ␣␣%␣thanks␣to␣Joergen␣Larsen␣<JL@mmf.ruc.dk>
180 ␣␣\def\draftcopy@Name{UDKAST}\def\draftcopy@Scale{175}
181 }
182 \DeclareOption{dutch}{
183 ␣␣%␣thanks␣to␣Kees␣Leune␣<C.J.Leune@kub.nl>
184 ␣␣%␣\def\draftcopy@Name{CONCEPT}\def\draftcopy@Scale{150}
185 ␣␣%␣thanks␣to␣Anton␣Stoorvogel␣<wscoas@as.win.tue.nl>␣porposed
186 ␣␣\def\draftcopy@Name{ONTWERP}\def\draftcopy@Scale{150}
187 }
188 \DeclareOption{english}{
189 ␣␣\def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
190 }
191 \DeclareOption{esperanto}{
192 ␣␣%␣thanks␣to␣Stephan␣B.␣Webanck␣<webanck@mpiz-koeln.mpg.de>
193 ␣␣\def\draftcopy@Name{MALNETO}\def\draftcopy@Scale{160}
194 }
195 \DeclareOption{estonian}{
196 ␣␣%␣thanks␣to␣DAVID␣FEEST␣<mirka!mausgoe.central.de!
197 ␣␣%␣gOe.maus.de!David_Feest@uranus.central.de>
198 ␣␣\def\draftcopy@Name{VISAND}\def\draftcopy@Scale{215}
199 }
200 \DeclareOption{finnish}{
201 ␣␣%␣thanks␣to␣Jaakko␣Ruohio␣<jjruohio@boojum.hut.fi>
202 ␣␣\def\draftcopy@Name{LUONNOS}\def\draftcopy@Scale{200}
203 ␣␣%␣thanks␣to␣Mika␣Grundstroem␣<mikagr@spittari.cs.tut.fi>
204 ␣␣\def\draftcopy@Name{VEDOS}\def\draftcopy@Scale{220}
205 }
206 \DeclareOption{francais}{
207 ␣␣%␣thanks␣to␣Christophe␣Couvreur␣<couvreur@Thor.fpms.ac.be>
208 ␣␣\def\draftcopy@Name{BROUILLON}\def\draftcopy@Scale{120}
209 }
210 \DeclareOption{french}{
211 ␣␣%␣thanks␣to␣Christophe␣Couvreur␣<couvreur@Thor.fpms.ac.be>
212 ␣␣\def\draftcopy@Name{BROUILLON}\def\draftcopy@Scale{120}
213 ␣␣%␣thanks␣to␣Marc␣Torzynski␣<marc@snoopy.u-strasbg.fr>
214 ␣␣%\def\draftcopy@Name{EPREUVE}\def\draftcopy@Scale{120}
215 }
216 \DeclareOption{galician}{
217 ␣␣\def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
218 }
219 \DeclareOption{german}{
220 ␣␣\def\draftcopy@Name{ENTWURF}\def\draftcopy@Scale{155}
221 }
222 \DeclareOption{germanb}{
223 ␣␣\def\draftcopy@Name{ENTWURF}\def\draftcopy@Scale{155}
```

```
224 }
225 \DeclareOption{greek}{
226   %␣thanks␣to␣␣Apostolos␣Syropoulos␣<apostolo@ocean1.ee.duth.gr>
227   \def\draftcopy@Name{PROSCEDIO}\def\draftcopy@Scale{85}
228   \def\draftcopy@Font{/Symbol}
229 }
230 \DeclareOption{hungarian}{
231   \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
232 }
233 \DeclareOption{icelandic}{
234   \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
235   %␣DRÖG
236   %␣Erlendur␣S␣Thorsteinsson␣<esth@cmu.edu>
237   %␣does␣anybody␣knows␣how␣to␣create␣PostScript␣for␣that␣letter␣Ö?
238 }
239 \DeclareOption{irish}{
240   \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
241   %␣DRÉACHT
242   %␣Breanndán␣Ó␣Nualláin␣<bon@kotona.demon.nl>
243   %␣does␣anybody␣knows␣how␣to␣create␣PostScript␣for␣that␣letter␣É?
244 }
245 \DeclareOption{italian}{
246   %␣thanks␣to␣Fabio␣Massacci␣<Fabio.Massacci@cl.cam.ac.uk>
247   %␣thanks␣to␣Paolo␣Dell'Aquila␣<dlle07k1@mo.nettuno.it>
248   \def\draftcopy@Name{BOZZA}\def\draftcopy@Scale{215}
249   %␣thanks␣to␣Giuseppe␣De␣Arcangelis␣<gdearc@serifos.caspur.it>
250   %␣\def\draftcopy@Name{brutta␣copia}\def\draftcopy@Scale{80}
251 }
252 \DeclareOption{lowersorbian}{
253   \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
254 }
255 \DeclareOption{magyar}{
256   \def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
257 }
258 \DeclareOption{norsk}{
259   %␣thanks␣to:␣Dag␣Langmyhr␣<dag@ifi.uio.no>
260   \def\draftcopy@Name{UTKAST}\def\draftcopy@Scale{178}
261 }
262 \DeclareOption{nynorsk}{
263   %␣thanks␣to:␣Dag␣Langmyhr␣<dag@ifi.uio.no>
264   \def\draftcopy@Name{FRAMLEGG}\def\draftcopy@Scale{129}
265 }
266 \DeclareOption{polish}{
267   %␣thanks␣to␣Piotr␣Chrusciel␣<piotr@gargan.math.univ-tours.fr>
268   \def\draftcopy@Name{BRUDNOPIS}\def\draftcopy@Scale{120}
269 }
270 \DeclareOption{portuges}{
271   %␣thanks␣to␣"Christian␣Naaktgeboren"␣<chrisnaak@yahoo.com>
272   \def\draftcopy@Name{RASCUNHO}\def\draftcopy@Scale{130}
273 }
274 \DeclareOption{portuguese}{
275   %␣thanks␣to␣"Christian␣Naaktgeboren"␣<chrisnaak@yahoo.com>
276   \def\draftcopy@Name{RASCUNHO}\def\draftcopy@Scale{130}
277 }
```

```
278 \DeclareOption{romanian}{
279 ␣␣\def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
280 }
281 \DeclareOption{scottish}{
282 ␣␣\def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
283 }
284 \DeclareOption{spanish}{
285 ␣␣%␣thanks␣to:␣Tomas␣Bautista␣<bautista@cma.ulpgc.es>
286 ␣␣\def\draftcopy@Name{BORRADOR}\def\draftcopy@Scale{120}
287 }
288 \DeclareOption{slovak}{
289 ␣␣\def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
290 }
291 \DeclareOption{slovene}{
292 ␣␣%␣thanks␣to␣brodnik@pegam.mat.uni-lj.si␣<Andrej␣Brodnik>
293 ␣␣\def\draftcopy@Name{OSNUTEK}\def\draftcopy@Scale{120}
294 }
295 \DeclareOption{swedish}{
296 ␣␣%␣thanks␣to␣<matsd@physchem.kth.se>
297 ␣␣\def\draftcopy@Name{UTKAST}\def\draftcopy@Scale{185}
298 }
299 \DeclareOption{turkish}{
300 ␣␣\def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
301 }
302 \DeclareOption{uppersorbian}{
303 ␣␣\def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
304 }
```

Declare the page orientation options.

```
305 \DeclareOption{portrait}{
306   % thanks to Ross MOORE \textttt{ross@maths.mq.edu.au>}
307   \def\draftcopy@PageTranslate{200 70 translate 65 rotate}
308   \def\draftcopy@BottomTranslate{0 25 translate}
309   \def\draftcopy@ScaleFactor{1 }
310 }
311 \DeclareOption{landscape}{
312   % thanks to Ross MOORE \textttt{ross@maths.mq.edu.au>}
313   \def\draftcopy@PageTranslate{70 450 translate 25 neg rotate}
314   \def\draftcopy@BottomTranslate{25 650 translate 90 neg rotate}
315   \def\draftcopy@ScaleFactor{0.6 }
316 }
```

Use these default options,

```
317 \ExecuteOptions{dark,all,english,portrait}
```

instead of dvips use the graphics driver specified in the configuration file,

```
318 \input{draftcopy.cfg}
```

and the process the user options.

```
319 \ProcessOptions
```

Tell the user what's ongoing.

```
320 \typeout{Prints \draftcopy@Name\space on pages;
321 does not show in your DVI viewer}
```

\draftcopyVersion   Set the Version text to be printed together with a timestamp

```
322 \newcommand{\draftcopyVersion}[1]{
323    \def\draftcopy@version{#1}
324 }
```

\draftcopySetGrey   Set the intensity of the gray, values range from 0.0 to 1.0, where the smaller
                     values darker. If used, it must be conatined in the preamble of the document.

```
325 \newcommand{\draftcopySetGrey}[1]{
326    \def\draftcopy@GrayValue{#1}
327 }
```

\draftcopySetScale   Set the size (scale) of the word *DRAFT*. You may need this, if you use another
                     paper format. The default scales are for A4 paper. If used, it must be conatined
                     in the preamble of the document.

```
328 \newcommand{\draftcopySetScale}[1]{
329    \def\draftcopy@Scale{#1}
330 }
```

\draftcopySetScaleFactor   Set the scale muliplier of the scale.

```
331 \newcommand{\draftcopySetScaleFactor}[1]{
332 ␣␣\def\draftcopy@ScaleFactor{#1␣}
333 }
```

\draftcopyFirstPage The argument specifies the first page onto which *DRAFT* will be printed. This
                     is the physical page number. If used, it must be conatined in the preamble of
                     the document.

```
334 \def\draftcopy@FirstPage{0}
335 \newcommand{\draftcopyFirstPage}[1]{
336    \def\draftcopy@FirstPage{#1}
337 }
```

\draftcopyLastPage   The argument specifies the last page onto which *DRAFT* will be printed. This
                     is the physical page number. If used, it must be conatined in the preamble of
                     the document.

```
338 \newcommand{\draftcopyLastPage}[1]{
339    \def\draftcopy@LastPage{#1}
340 }
```

\draftcopyName   The first argument specifies the word to be printed instead of *DRAFT*, the
                     second, gives the scale factor for the font to be used. E.g. the english word
                     DRAFT needs 215, the german *ENTWURF* needs 155. Note we need the blank
                     after the #2. If used, it must be conatined in the preamble of the document.

```
341 \newcommand{\draftcopyName}[2]{
342 ␣␣\def\draftcopy@Name{#1}
343 ␣␣\def\draftcopy@Scale{#2}
344 }
```

\@draftcopyTilde   If a ~ is used as argument of \draftcopyName, we have to supress expansion of
                     it. We replace it by a simple space. Here we store the original meaning of ~ so
                     that it can be restored after setting up the Postscript code.

```
345 \let\@draftcopyTilde~
```

<dl>

<dt>\draftcopyPageTransform</dt>
<dd>

These next 2 commands take raw PostScript to set the LL-corner of the *DRAFT* string

```
346 \newcommand{\draftcopyPageTransform}[1]{%
347 ␣\def\draftcopy@PageTranslate{#1}%
348 }
```

</dd>

<dt>\draftcopyBottomTransform</dt>
<dd>

```
349 \newcommand{\draftcopyBottomTransform}[1]{%
350 ␣\def\draftcopy@BottomTranslate{#1}%
351 }
```

Based on an idea or Sergio Polini <s.polini@mclink.it>:

</dd>

<dt>\draftcopyPageX</dt>
<dd>

```
352 \def\draftcopy@PageX{0␣}
353 \newcommand{\draftcopyPageX}[1]{%
354 ␣\def\draftcopy@PageX{#1␣}%
355 }
```

</dd>

<dt>\draftcopyPageY</dt>
<dd>

```
356 \def\draftcopy@PageY{0␣}
357 \newcommand{\draftcopyPageY}[1]{%
358 ␣\def\draftcopy@PageY{#1␣}%
359 }
```

</dd>

<dt>\draftcopyBottomX</dt>
<dd>

```
360 \def\draftcopy@BottomX{0␣}
361 \newcommand{\draftcopyBottomX}[1]{%
362 ␣\def\draftcopy@BottomX{#1␣}%
363 }
```

</dd>

<dt>\draftcopyBottomY</dt>
<dd>

```
364 \def\draftcopy@BottomY{0␣}
365 \newcommand{\draftcopyBottomY}[1]{%
366 ␣\def\draftcopy@BottomY{#1␣}%
367 }
```

Compute, wether we should show the DRAFT text:

```
368 \newif\ifdraftcopy@showit
369 \ifdraftcopy@conditional
370 ␣␣\ifdraftcopy@draft
371 ␣␣␣␣␣\draftcopy@showittrue
372 ␣␣\else
373 ␣␣␣␣␣␣\draftcopy@showitfalse
374 ␣␣\fi
375 ␣␣\ifdraftcopy@final
376 ␣␣␣␣\draftcopy@showitfalse
377 ␣␣\fi
378 \else
379 ␣␣\draftcopy@showittrue
380 \fi
```

</dd>
</dl>

Here we introduce some Postscript code. The dictionary *userdict* is extended with the page counter `draftcopy-CurrentPage`. Printing of *DRAFT* starts after page `\draftcopy@FirstPage`. Each time a new page starts `\draftcopy@BOPhook` is called (if it's defined). Hence we define it. First we increment the current page counter. If then the current page counter is smaller than the last page counter `\draftcopy@LastPage` we print the word contained in the LaTeX macro `draftcopy@Name` with the font scaled with LaTeX macro `draftcopy@Scale`.

This must be done at the beginning of the document `\AtBeginDocument`, so that the preamble commands take effect.

We redefine and restore the meaning of ~ which may be used in the `\draftcopy@Name`, using `\let`. This allows to use `\today` as `\draftcopy@Name` for languages like e.g. german, which separates the day and the month by ~

The size of the word *DRAFT* is given by `\draftcopy@Scale` and multiplied by `\draftcopy@ScaleFactor`, which is needed to different page hights of cover landscape and portrait orientation.

Thanks to Glenn G. Chappell `gchappell@semovm.semo.edu` for providing the `/draftcopy-old-BOPhook` suggestion, which saves a previous definition of `\draftcopy@BOPhook` and executes it too.

```
381 % Thanks to Ross Moore \textttt{ross@ics.mq.edu.au} for adding the code to
382 % preserve kine-end in the PostScript file.
383 %      \begin{macrocode}
384 \ifdraftcopy@showit
385 {\obeyspaces
386 \ifdraftcopy@bottomAfter
387   \AtBeginDocument{
388     \let~\space
389     \immediate@special{\draftcopy@UserDictCmd
390     begin
391     /draftcopy-CurrentPage 0 def
392     /draftcopy-old-BOPhook { } def
393     currentdict \draftcopy@BOPhook\space known{
394          /draftcopy-old-BOPhook \draftcopy@BOPhook\space load def
395     } if
396     \draftcopy@BOPhook{
397       draftcopy-old-BOPhook
398       /draftcopy-CurrentPage draftcopy-CurrentPage 1 add def
399       draftcopy-CurrentPage \draftcopy@FirstPage ge
400       draftcopy-CurrentPage \draftcopy@LastPage le
401       and
402     { gsave \draftcopy@PageTranslate
403       \draftcopy@Font findfont
404       \draftcopy@Scale \draftcopy@ScaleFactor mul scalefont setfont
405       \draftcopy@PageX \draftcopy@PageY moveto
406       \draftcopy@GrayValue setgray
407      (\draftcopy@Name) \draftcopy@Timestamp \draftcopy@Show
408       grestore
409     } if
410     draftcopy-CurrentPage \draftcopy@LastPage gt
411     { gsave \draftcopy@BottomTranslate
412       \draftcopy@Font findfont
413       25 scalefont setfont
```

```
414        \draftcopy@BottomX \draftcopy@BottomY moveto
415        \draftcopy@GrayValue setgray
416         (\draftcopy@Name\space\space--\space\space)
417         0 1 15 { pop dup show } for
418        grestore
419      } if
420      } def
421      end
422      }
423    \let~\@draftcopyTilde
424  }
425 \else\ifdraftcopy@bottom
426  \AtBeginDocument{
427    \let~\space
428    \immediate@special{\draftcopy@UserDictCmd
429      begin
430      /draftcopy-CurrentPage 0 def
431      /draftcopy-old-BOPhook { } def
432      currentdict \draftcopy@BOPhook\space known{
433           /draftcopy-old-BOPhook \draftcopy@BOPhook\space load def
434      } if
435      \draftcopy@BOPhook{
436        draftcopy-old-BOPhook
437        /draftcopy-CurrentPage draftcopy-CurrentPage 1 add def
438        draftcopy-CurrentPage \draftcopy@FirstPage ge
439        draftcopy-CurrentPage \draftcopy@LastPage  le
440        and
441        { gsave \draftcopy@PageTranslate
442          \draftcopy@Font findfont
443          \draftcopy@Scale \draftcopy@ScaleFactor mul scalefont setfont
444          \draftcopy@PageX \draftcopy@PageY moveto
445          \draftcopy@GrayValue setgray
446         (\draftcopy@Name) \draftcopy@Timestamp \draftcopy@Show
447          grestore
448        }if
449         gsave \draftcopy@BottomTranslate
450        \draftcopy@Font findfont
451        25 scalefont setfont
452        \draftcopy@BottomX \draftcopy@BottomY moveto
453        \draftcopy@GrayValue setgray
454        (\draftcopy@Name\space\space--\space\space)
455        0 1 15 { pop dup show } for
456        grestore
457      } def
458      end
459      }
460    \let~\@draftcopyTilde
461  }
462 \else
463  \AtBeginDocument{
464    \let~\space
465    \immediate@special{\draftcopy@UserDictCmd
466      begin
467      /draftcopy-CurrentPage 0 def
```

14

```
468        /draftcopy-old-BOPhook { } def
469        currentdict \draftcopy@BOPhook\space known{
470                /draftcopy-old-BOPhook \draftcopy@BOPhook\space load def
471        } if
472        \draftcopy@BOPhook{
473          draftcopy-old-BOPhook
474          /draftcopy-CurrentPage draftcopy-CurrentPage 1 add def
475          draftcopy-CurrentPage \draftcopy@FirstPage ge
476          draftcopy-CurrentPage \draftcopy@LastPage  le
477          and
478          { gsave \draftcopy@PageTranslate
479            \draftcopy@Font findfont
480            \draftcopy@Scale \draftcopy@ScaleFactor mul scalefont setfont
481            \draftcopy@PageX \draftcopy@PageY moveto
482            \draftcopy@GrayValue setgray
483           (\draftcopy@Name) \draftcopy@Timestamp \draftcopy@Show
484            grestore
485          } if
486        } def
487        end
488        }
489      \let~\@draftcopyTilde
490    }
491 \fi\fi
492 }
493 \fi
494 ⟨/package⟩
```

8   Some Test Input Files

The next bit of code contains the some LaTeX input files with various options
set. They will be extracted from this file by the `docstrip` program, using the
`test1, ...  test12` option.

```
495 ⟨*test1⟩
496 \documentclass[a4paper]{article}
497 \usepackage{draftcopy}
498 \newcommand{\xx}{
499 Test 1\\This is a test page \thepage \vfill
500 This is a testpage \thepage \newpage
501 }
502 \begin{document}
503 Should print DRAFT over all pages, quite dark.\\
504 \verb/\usepackage{draftcopy}/\\
505 \xx\xx\xx\xx
506 \end{document}
507 ⟨/test1⟩

508 ⟨*test2⟩
509 \documentclass[a4paper,german]{article}
510 \usepackage[light,first]{draftcopy}
511 \newcommand{\xx}{
512 Test2: Should print ENTWURF on the first page, light.\\
513 This is a test page \thepage \vfill
```

```
514 This is a testpage \thepage \newpage
515 }
516 \begin{document}
517 \verb/\usepackage[light,first]{draftcopy}/\\
518 \xx\xx\xx\xx
519 \end{document}
520 ⟨/test2⟩

521 ⟨∗test3⟩
522 \documentclass[a4paper,french]{article}
523 \usepackage[light,firsttwo]{draftcopy}
524 \newcommand{\xx}{
525 Test3: This is a test page \thepage \vfill
526 This is a testpage \thepage \newpage
527 }
528 \begin{document}
529 Should print BROUILLON on the first two pages, light.\\
530 \verb/\usepackage[light,firsttwo]{draftcopy}/\\
531 \xx\xx\xx\xx
532 \end{document}
533 ⟨/test3⟩

534 ⟨∗test4⟩
535 \documentclass[a4paper,danish]{article}
536 \usepackage[light,firsttwo]{draftcopy}
537 \newcommand{\xx}{
538 Test4: This is a test page \thepage \vfill
539 This is a testpage \thepage \newpage
540 }
541 \draftcopyFirstPage{2}
542 \draftcopyLastPage{3}
543 \begin{document}
544 Should print UDKAST on the second and third pages, light.\\
545 \verb/\usepackage[light,firsttwo]{draftcopy}/\\
546 \verb/\draftcopyFirstPage{2}/\\
547 \verb/\draftcopyLastPage{3}/\\
548 \xx\xx\xx\xx
549 \end{document}
550 ⟨/test4⟩

551 ⟨∗test5⟩
552 \documentclass[a4paper,dutch]{article}
553 \usepackage[none,bottom]{draftcopy}
554 \newcommand{\xx}{
555 Test5: This is a test page \thepage \vfill
556 This is a testpage \thepage \newpage
557 }
558 \begin{document}
559 Should print ONTWERP only at the bottom each page.\\
560 \verb/\usepackage[none,bottom]{draftcopy}/\\
561 \xx\xx\xx\xx
562 \end{document}
563 ⟨/test5⟩

564 ⟨∗test6⟩
565 \documentclass[a4paper,finnish]{article}
566 \usepackage[firsttwo,light,bottom]{draftcopy}
```

```
567 \newcommand{\xx}{
568 test6: This is a test page \thepage \vfill
569 This is a testpage \thepage \newpage
570 }
571 \begin{document}
572 Should print VEDOS on the first two pages, light.\\
573 Should print VEDOS at the bottom each page.\\
574 \verb|\usepackage[firsttwo,light,bottom]{draftcopy}|\\
575 \xx\xx\xx\xx
576 \end{document}
577 ⟨/test6⟩

578 ⟨∗test7⟩
579 \documentclass[a4paper,norsk]{article}
580 \usepackage[light,bottomafter]{draftcopy}
581 \newcommand{\xx}{
582 Test7: This is a test page \thepage \vfill
583 This is a testpage \thepage \newpage
584 }
585 \draftcopyFirstPage{2}
586 \draftcopyLastPage{3}
587 \begin{document}
588 Should print UTKAST on the on the pages 2 and 3, light.\\
589 Should print UTKAST on bottom of the page after the third page.\\
590 \verb|\usepackage[light,bottomafter]{draftcopy}|\\
591 \verb|\draftcopyFirstPage{2}|\\
592 \verb|\draftcopyLastPage{3}|\\
593 \xx\xx\xx\xx
594 \end{document}
595 ⟨/test7⟩

596 ⟨∗test8⟩
597 \documentclass[a4paper,nynorsk]{article}
598 \usepackage[light,firsttwo,outline,bottomafter]{draftcopy}
599 \newcommand{\xx}{
600 Test8: This is a test page \thepage \vfill
601 This is a testpage \thepage \newpage
602 }
603 \begin{document}
604 Should print FRAMLEGG on the first two pages, light, outlined.\\
605 Should print FRAMLEGG on bottom of the page after the second page.\\
606 \verb|\usepackage[light,firsttwo,outline,bottomafter]{draftcopy}|\\
607 \xx\xx\xx\xx
608 \end{document}
609 ⟨/test8⟩

610 ⟨∗test9⟩
611 \documentclass{article}
612 \usepackage[light,firsttwo,outline,bottomafter]{draftcopy}
613 \newcommand{\xx}{
614 Test9: This is a test page \thepage\\
615 test~the~tilde~tilde~tilde (1 fixed space (\~{})  between the words)\\
616 test~~the~~tilde~~tilde~~tilde (2 fixed spaces (\~{}) between the words)\\
617 test~~~the~~~tilde~~~tilde~~~tilde (3 fixed spaces (\~{}) between the words)
618 \vfill
619 This is a testpage \thepage \newpage
```

```
620 }
621 \draftcopyName{Release\space\space\space\today}{130}
622 \draftcopySetScale{80}
623 \begin{document}
624 Should print the word \verb+Release+  and the current date \verb|\today|
625 (in english) on the first two pages, light, outlined.\\
626 Should print the word \verb+Release+  and current date \verb|\today|
627 (in english) on bottom of the page after the second page.\\
628 Check that the lines with \~{} have correct spacing.\\
629 \verb|\usepackage[light,firsttwo,outline,bottomafter]{draftcopy}|\\
630 and \\
631 \verb|\draftcopyName{Release\space\space\space\today}{130}|\\
632 \verb|\draftcopySetScale{80}|\\
633 in the preamble
634 \xx\xx\xx\xx
635 \end{document}
636 ⟨/test9⟩

637 ⟨∗test10⟩
638 \documentclass[german]{article}
639 \usepackage{babel}
640 \usepackage[light,firsttwo,outline,bottomafter]{draftcopy}
641 \newcommand{\xx}{
642 Test10: This is a test page \thepage \\
643 test~the~tilde~tilde~tilde (1 fixed space (\~{}) between the words)\\
644 test~~the~~tilde~~tilde~~tilde (2 fixed spaces (\~{}) between the words)\\
645 test~~~the~~~tilde~~~tilde~~~tilde (3 fixed spaces (\~{}) between the words)
646 \vfill
647 This is a testpage \thepage \newpage
648 }
649 \draftcopyName{\today}{130}
650 \draftcopySetScale{80}
651 \begin{document}
652 Should print the current date \verb|\today| (in german) on the first two pages,
653 light, outlined.\\
654 Should print the current date \verb|\today| (in german) on bottom of the page
655 after the second page.\\
656 Check that the lines with \~{}) have correct spacing.\\
657 \verb|\usepackage[light,firsttwo,outline,bottomafter]{draftcopy}|\\
658 and \\
659 \verb|\draftcopyName{\today}{130}|\\
660 \verb|\draftcopySetScale{80}|\\
661 in the preamble
662 \xx\xx\xx\xx
663 \end{document}
664 ⟨/test10⟩

665 ⟨∗test11⟩
666 \documentclass[landscape,a4paper]{article}
667 \usepackage[landscape]{draftcopy}
668 \newcommand{\xx}{
669 Test 11\\This is a test page with landscape option \thepage \vfill
670 This is a testpage \thepage \newpage
671 }
672 \begin{document}
```

```
673 Should print DRAFT over all pages, quite dark.\\
674 \verb/\usepackage[landscape]{draftcopy}/\\
675 \xx\xx\xx\xx
676 \end{document}
677 ⟨/test11⟩

678 ⟨∗test12⟩
679 \documentclass[landscape,german,a4paper]{article}
680 \usepackage[landscape,bottom]{draftcopy}
681 \newcommand{\xx}{
682 Test 12\\This is a test page \thepage \vfill
683 This is a testpage \thepage \newpage
684 }
685 \begin{document}
686 Should print ENTWURF over all pages, quite dark and on the bottom and with
687 landscape orientation.\\
688 \verb/\usepackage[landscape,bottom]{draftcopy}/\\
689 \xx\xx\xx\xx
690 \end{document}
691 ⟨/test12⟩

692 ⟨∗test13⟩
693 \documentclass[a4paper]{article}
694 \usepackage[conditional]{draftcopy}
695 \newcommand{\xx}{
696 Test 13\\This is a test page \thepage \vfill
697 This is a testpage \thepage \newpage
698 }
699 \begin{document}
700 Should \emph{NOT} print DRAFT since, conditional is used.\\
701 \verb/\usepackage[conditional]{draftcopy}/\\
702 \xx\xx\xx\xx
703 \end{document}
704 ⟨/test13⟩

705 ⟨∗test14⟩
706 \documentclass[draft,a4paper]{article}
707 \usepackage[conditional]{draftcopy}
708 \newcommand{\xx}{
709 Test 14\\This is a test page \thepage \vfill
710 This is a testpage \thepage \newpage
711 }
712 \begin{document}
713 Should print DRAFT since, conditional and draft are used.\\
714 \verb/\usepackage[conditional]{draftcopy}/\\
715 \xx\xx\xx\xx
716 \end{document}
717 ⟨/test14⟩

718 ⟨∗test15⟩
719 \documentclass[final,a4paper]{article}
720 \usepackage[conditional]{draftcopy}
721 \newcommand{\xx}{
722 Test 15\\This is a test page \thepage \vfill
723 This is a testpage \thepage \newpage
724 }
725 \begin{document}
```

```
726 Should \emph{NOT} print DRAFT since, final is used (as global option).\\
727 \verb|\usepackage{draftcopy}|\\
728 \xx\xx\xx\xx
729 \end{document}
730 ⟨/test15⟩

731 ⟨∗test16⟩
732 \documentclass[a4paper,greek]{article}
733 \usepackage[timestamp,bottom]{draftcopy}
734 \newcommand{\xx}{
735 Test 16\\This is a test page \thepage \vfill
736 This is a testpage \thepage \newpage
737 }
738 \draftcopyPageX{300}
739 \draftcopyPageY{100}
740 \draftcopyBottomX{300}
741 \draftcopyBottomY{100}
742 \draftcopySetScaleFactor{0.5}
743 \draftcopyVersion{Version 2.14: }
744 \begin{document}
745 Should print DRAFT (in greek translation and greek letters)
746 on a moved position.\\
747 \verb|\usepackage[timestamp,bottom,greek]{draftcopy}|\\
748 \xx\xx\xx\xx
749 \end{document}
750 ⟨/test16⟩
```