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

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[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.

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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}
```

3

```
 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}[2002/02/25 v2.16]
```

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 }
```

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DRAFT -- DRAFT -- DRAFT -- DRAFT -- DRAFT -

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 ␣␣\def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
153 }
154 \DeclareOption{brazilian}{
155 ␣␣\def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
156 }
157 \DeclareOption{breton}{
158 ␣␣\def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
159 }
160 \DeclareOption{british}{
161 ␣␣\def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
162 }
163 \DeclareOption{catalan}{
164 ␣␣%␣thanks␣to␣Dav␣<davpuig@mx3.redestb.es>
165 ␣␣%␣thanks␣to␣Xavier␣<xml@mat.upc.es>
166 ␣␣\def\draftcopy@Name{ESBORRANY}\def\draftcopy@Scale{110}
167 }
168 \DeclareOption{croatian}{
169 ␣␣\def\draftcopy@Name{DRAFT}\def\draftcopy@Scale{215}
```

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

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

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

Declare the page orientation options.

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

Use these default options,

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

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

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

and the process the user options.

```
315  \ProcessOptions
```

Tell the user what's ongoing.

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

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

```
318  \newcommand{\draftcopyVersion}[1]{
319    \def\draftcopy@version{#1}
320  }
```

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\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.

```
321 \newcommand{\draftcopySetGrey}[1]{
322    \def\draftcopy@GrayValue{#1}
323 }
```

\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.

```
324 \newcommand{\draftcopySetScale}[1]{
325    \def\draftcopy@Scale{#1}
326 }
```

\draftcopySetScaleFactor	Set the scale muliplier of the scale.

```
327 \newcommand{\draftcopySetScaleFactor}[1]{
328 ␣␣\def\draftcopy@ScaleFactor{#1␣}
329 }
```

\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.

```
330 \def\draftcopy@FirstPage{0}
331 \newcommand{\draftcopyFirstPage}[1]{
332    \def\draftcopy@FirstPage{#1}
333 }
```

\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.

```
334 \newcommand{\draftcopyLastPage}[1]{
335    \def\draftcopy@LastPage{#1}
336 }
```

\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.

```
337 \newcommand{\draftcopyName}[2]{
338 ␣␣\def\draftcopy@Name{#1}
339 ␣␣\def\draftcopy@Scale{#2}
340 }
```

\@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.

```
341 \let\@draftcopyTilde~
```

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

```
342 \newcommand{\draftcopyPageTransform}[1]{%
343 ␣\def\draftcopy@PageTranslate{#1}%
344 }
```

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```
345 \newcommand{\draftcopyBottomTransform}[1]{%
346 ␣\def\draftcopy@BottomTranslate{#1}%
347 }
```

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

\draftcopyPageX

```
348 \def\draftcopy@PageX{0␣}
349 \newcommand{\draftcopyPageX}[1]{%
350 ␣\def\draftcopy@PageX{#1␣}%
351 }
```

\draftcopyPageY

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

\draftcopyBottomX

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

\draftcopyBottomY

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

Compute, wether we should show the `DRAFT` text:

```
364 \newif\ifdraftcopy@showit
365 \ifdraftcopy@conditional
366 ␣␣\ifdraftcopy@draft
367 ␣␣␣␣␣\draftcopy@showittrue
368 ␣␣\else
369 ␣␣␣␣␣␣\draftcopy@showitfalse
370 ␣␣\fi
371 ␣␣\ifdraftcopy@final
372 ␣␣␣␣\draftcopy@showitfalse
373 ␣␣\fi
374 \else
375 ␣␣\draftcopy@showittrue
376 \fi
```

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 LaTeXmacro draftcopy@Name with the font scaled with LaTeXmacro draftcopy@Scale.

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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.

```
377 % Thanks to Ross Moore \texttt{ross@ics.mq.edu.au} for adding the code to
378 % preserve kine-end in the PostScript file.
379 %    \begin{macrocode}
380 \ifdraftcopy@showit
381 {\obeyspaces
382 \ifdraftcopy@bottomAfter
383   \AtBeginDocument{
384     \let~\space
385     \immediate@special{\draftcopy@UserDictCmd
386       begin
387       /draftcopy-CurrentPage 0 def
388       /draftcopy-old-BOPhook { } def
389       currentdict \draftcopy@BOPhook\space known{
390             /draftcopy-old-BOPhook \draftcopy@BOPhook\space load def
391       } if
392       \draftcopy@BOPhook{
393         draftcopy-old-BOPhook
394         /draftcopy-CurrentPage draftcopy-CurrentPage 1 add def
395         draftcopy-CurrentPage \draftcopy@FirstPage ge
396         draftcopy-CurrentPage \draftcopy@LastPage le
397         and
398         { gsave \draftcopy@PageTranslate
399           \draftcopy@Font findfont
400           \draftcopy@Scale \draftcopy@ScaleFactor mul scalefont setfont
401           \draftcopy@PageX \draftcopy@PageY moveto
402           \draftcopy@GrayValue setgray
403          (\draftcopy@Name) \draftcopy@Timestamp \draftcopy@Show
404           grestore
405         } if
406         draftcopy-CurrentPage \draftcopy@LastPage gt
407         { gsave \draftcopy@BottomTranslate
408           \draftcopy@Font findfont
409           25 scalefont setfont
410           \draftcopy@BottomX \draftcopy@BottomY moveto
411           \draftcopy@GrayValue setgray
412           (\draftcopy@Name\space\space--\space\space)
413           0 1 15 { pop dup show } for
414           grestore
415         } if
416       } def
417       end
418       }
```

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

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```
473        and
474        { gsave \draftcopy@PageTranslate
475          \draftcopy@Font findfont
476          \draftcopy@Scale \draftcopy@ScaleFactor mul scalefont setfont
477          \draftcopy@PageX \draftcopy@PageY moveto
478          \draftcopy@GrayValue setgray
479        (\draftcopy@Name) \draftcopy@Timestamp \draftcopy@Show
480          grestore
481        } if
482      } def
483      end
484        }
485    \let~\@draftcopyTilde
486  }
487 \fi\fi
488 }
489 \fi
490 ⟨/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.

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

504 ⟨*test2⟩
505 \documentclass[a4paper,german]{article}
506 \usepackage[light,first]{draftcopy}
507 \newcommand{\xx}{
508 Test2: Should print ENTWURF on the first page, light.\\
509 This is a test page \thepage \vfill
510 This is a testpage \thepage \newpage
511 }
512 \begin{document}
513 \verb/\usepackage[light,first]{draftcopy}/\\
514 \xx\xx\xx\xx
515 \end{document}
516 ⟨/test2⟩

517 ⟨*test3⟩
518 \documentclass[a4paper,french]{article}
```

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```
519 \usepackage[light,firsttwo]{draftcopy}
520 \newcommand{\xx}{
521 Test3: This is a test page \thepage \vfill
522 This is a testpage \thepage \newpage
523 }
524 \begin{document}
525 Should print BROUILLON on the first two pages, light.\\
526 \verb|\usepackage[light,firsttwo]{draftcopy}|\\
527 \xx\xx\xx\xx
528 \end{document}
529 ⟨/test3⟩

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

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

560 ⟨∗test6⟩
561 \documentclass[a4paper,finnish]{article}
562 \usepackage[firsttwo,light,bottom]{draftcopy}
563 \newcommand{\xx}{
564 test6: This is a test page \thepage \vfill
565 This is a testpage \thepage \newpage
566 }
567 \begin{document}
568 Should print VEDOS on the first two pages, light.\\
569 Should print VEDOS at the bottom each page.\\
570 \verb|\usepackage[firsttwo,light,bottom]{draftcopy}|\\
571 \xx\xx\xx\xx
```

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```
572 \end{document}
573 ⟨/test6⟩

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

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

606 ⟨∗test9⟩
607 \documentclass{article}
608 \usepackage[light,firsttwo,outline,bottomafter]{draftcopy}
609 \newcommand{\xx}{
610 Test9: This is a test page \thepage\\
611 test~the~tilde~tilde~tilde (1 fixed space (\~{})  between the words)\\
612 test~~the~~tilde~~tilde~~tilde (2 fixed spaces (\~{}) between the words)\\
613 test~~~the~~~tilde~~~tilde~~~tilde (3 fixed spaces (\~{}) between the words)
614 \vfill
615 This is a testpage \thepage \newpage
616 }
617 \draftcopyName{Release\space\space\space\today}{130}
618 \draftcopySetScale{80}
619 \begin{document}
620 Should print the word \verb+Release+  and the current date \verb|\today|
621 (in english) on the first two pages, light, outlined.\\
622 Should print the word \verb+Release+  and current date \verb|\today|
623 (in english) on bottom of the page after the second page.\\
624 Check that the lines with \~{} have correct spacing.\\
```

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```
625 \verb|\usepackage[light,firsttwo,outline,bottomafter]{draftcopy}|\\
626 and \\
627 \verb|\draftcopyName{Release\space\space\space\today}{130}|\\
628 \verb|\draftcopySetScale{80}|\\
629 in the preamble
630 \xx\xx\xx\xx
631 \end{document}
632 ⟨/test9⟩

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

661 ⟨∗test11⟩
662 \documentclass[landscape,a4paper]{article}
663 \usepackage[landscape]{draftcopy}
664 \newcommand{\xx}{
665 Test 11\\This is a test page with landscape option \thepage \vfill
666 This is a testpage \thepage \newpage
667 }
668 \begin{document}
669 Should print DRAFT over all pages, quite dark.\\
670 \verb|\usepackage[landscape]{draftcopy}|\\
671 \xx\xx\xx\xx
672 \end{document}
673 ⟨/test11⟩

674 ⟨∗test12⟩
675 \documentclass[landscape,german,a4paper]{article}
676 \usepackage[landscape,bottom]{draftcopy}
677 \newcommand{\xx}{
```

18

```
678 Test 12\\This is a test page \thepage \vfill
679 This is a testpage \thepage \newpage
680 }
681 \begin{document}
682 Should print ENTWURF over all pages, quite dark and on the bottom and with
683 landscape orientation.\\
684 \verb|\usepackage[landscape,bottom]{draftcopy}|\\
685 \xx\xx\xx\xx
686 \end{document}
687 ⟨/test12⟩
688 ⟨*test13⟩
689 \documentclass[a4paper]{article}
690 \usepackage[conditional]{draftcopy}
691 \newcommand{\xx}{
692 Test 13\\This is a test page \thepage \vfill
693 This is a testpage \thepage \newpage
694 }
695 \begin{document}
696 Should \emph{NOT} print DRAFT since, conditional is used.\\
697 \verb|\usepackage[conditional]{draftcopy}|\\
698 \xx\xx\xx\xx
699 \end{document}
700 ⟨/test13⟩
701 ⟨*test14⟩
702 \documentclass[draft,a4paper]{article}
703 \usepackage[conditional]{draftcopy}
704 \newcommand{\xx}{
705 Test 14\\This is a test page \thepage \vfill
706 This is a testpage \thepage \newpage
707 }
708 \begin{document}
709 Should print DRAFT since, conditional and draft are used.\\
710 \verb|\usepackage[conditional]{draftcopy}|\\
711 \xx\xx\xx\xx
712 \end{document}
713 ⟨/test14⟩
714 ⟨*test15⟩
715 \documentclass[final,a4paper]{article}
716 \usepackage[conditional]{draftcopy}
717 \newcommand{\xx}{
718 Test 15\\This is a test page \thepage \vfill
719 This is a testpage \thepage \newpage
720 }
721 \begin{document}
722 Should \emph{NOT} print DRAFT since, final is used (as global option).\\
723 \verb|\usepackage{draftcopy}|\\
724 \xx\xx\xx\xx
725 \end{document}
726 ⟨/test15⟩
727 ⟨*test16⟩
728 \documentclass[a4paper,greek]{article}
729 \usepackage[timestamp,bottom]{draftcopy}
730 \newcommand{\xx}{
```

19

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

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