

# HUBerlin-bundle

Documents and Documentations for  $\text{\LaTeX}$  at the Humboldt-Universität zu Berlin

»Documentation must be regarded as an integral part of the process of design and coding. A good programming language will encourage and assist the programmer to write clear, self-documenting code, and even perhaps to develop and display a pleasant style of writing.« [1, p. 195]

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# 1 Introduction

Following documents or documentclasses are available:

- **letter** (HUBerlin-letter.cls)

## 1.1 Installation of the bundle

HUBerlin is part of the distributions [MiKTeX](#) and [TeXLive](#) – thus, you can easily install it using the respective package manager. If you would like to install HUBerlin-bundle into your local folder manually, do the following: Go to your terminal, browse to the folder of this bundle and run

```
make install
```

If you are using macOS you might be asked for your user account password for the installation.

Further options of this makefile are:

- **clean**: deletes all unnecessary files
- **cleanbundle**: deletes all files except `.dtx`, `.md`. You will get the plain version of this bundle. This might be helpful if you send the bundle to someone else.
- **ctan**: this will create a zip file which can be used to send to CTAN.
- **files**: will only create the files from the `.dtx-scratch`.
- **uninstall**: will erase the locally installed files.

This bundle is constantly updated. For hints, errors or suggestions use the GitHub repository <https://github.com/LukasCBossert/HUBerlin-bundle>.

## 1.2 Changelog

All notable changes to this project will be documented in the [README.md](#). This project **does not** adhere to [Semantic Versioning](#). The markdown syntax is inspired by the conventions proposed by [keepachangelog.com](https://keepachangelog.com).

# 2 Preamble

This bundle consists of various files which are either generated by the core file (`.dtx`) or are part of the basic structure of this bundle. You can easily pick up the basic file structure from [fig. 2.1](#).

When you run the `makefile` you get all these various files described above.

```

HUBerlin-bundle
├── HUBerlin-bundle.dtx..... code and documentation
├── examples ..... folder for exemplary files
│   ├── HUBerlin-letter.tex ..... letter
│   ├── HUBerlin-letter.lco ..... datafile for letter
│   └── HUBerlin-letter.pdf ..... letter
├── img ..... folder for images
│   └── texografie-logo.png..... logo of Lukas C. Bossert (www.TeXografie.de)
├── makefile..... makefile to generate all required files
└── README.md..... README file with information on installation

```

Figure 2.1: Structure of HUBerlin bundle

A large, light gray, sans-serif capital letter 'I' is centered vertically and horizontally on the page. It serves as a background element for the title.

# Guideline for Users

1 `<*example>`

## 3 Letter

We give an example on how to create a letter.

### 3.1 `.lco`-file

2 `<*lco>`

This is the file you load into your `.tex` letter. The information you provide here do normally not change from letter to letter. That's why we put it in a separate file.

The first line should provide this information.

3 `\ProvidesFile{HUBerlin-letter.lco}`

Now we set up the personal data.

We start with the name of the sender.

4 `\setkomavar{fromname}`

you can also write the position of this person in brackets, this is optional; [`<position>`]

5 `[Wissenschaftlicher Mitarbeiter]`

But you need to give a name:

6 `{Dr. Heinz Hermann}`

The mail address

7 `\setkomavar{fromemail}{heinz.hermann@hu-berlin.de}`

For phone and fax number you only need to type the last digits.

8 `\setkomavar{fromphone}{70550}`

If you don't have a fax (or a phone), leave it empty. Do *not* delete it.

9 `\setkomavar{fromfax}{}`

And finally the URL.

10 `\setkomavar{fromurl}{www.antikezentrum.hu-berlin.de}`

If your backaddress is to long – it will be set up automatically – you can redefine it.

11 `\setkomavar{backaddress}{HU Berlin\ }`

12 `August-Boeckh-Antikezentrum\ }`

13 `D-10099 Berlin}`

Selfexplaining: the faculty.

14 `\setkomavar{faculty}{%`

15 `Philosophische Fakultät I`

16 `}`

17 `\setkomavar{institute}{%`

18 `\mbox{August-Boeckh-Antikezentrum}`

You could even put a figure/logo of the institute here.

```

19 % \includegraphics[width=\useplength{locwidth}]{ABAZ-logo.png}
20 }
21 \setkomavar{institute.additional}{Text Text Text Text Text Text Text Text Text Text}
22 \setkomavar{institute.head}[chef]{Prof. Dr. Max Mustermann}
23 \setkomavar{institute.head.mail}{max.mustermann@hu-berlin.de}
24 \setkomavar{local}{%
25   Mohrenstraße 40/41\\
26   Zimmer 14\\
27   D-10117 Berlin}
28 \setkomavar{connections}{U Bahnhof Hausvogteiplatz (U2)}
29 \setkomavar{accessibility}{Hausvogteiplatz}
30 \setkomavar{signature}{%
31   \usekomavar{institute.head}
32   \usekomavar{fromname}
33 }
34 \lco

```

### Example 1

```

1 \ProvidesFile{HUBerlin-letter.lco}
2 \setkomavar{fromname}
3 [Wissenschaftlicher Mitarbeiter]
4 {Dr. Heinz Hermann}
5 \setkomavar{fromemail}{heinz.hermann@hu-berlin.de}
6 \setkomavar{fromphone}{70550}
7 \setkomavar{fromfax}{}
8 \setkomavar{fromurl}{www.antikezentrum.hu-berlin.de}
9 \setkomavar{backaddress}{HU Berlin\\
10 August-Boeckh-Antikezentrum\\
11 D-10099 Berlin}
12 \setkomavar{faculty}{%
13 Philosophische Fakultät I
14 }
15 \setkomavar{institute}{%
16 \mbox{August-Boeckh-Antikezentrum}
17 %
18 \includegraphics[width=\useplength{locwidth}]{ABAZ-logo.png}
19 }
20 \setkomavar{institute.additional}{Text Text Text Text Text
21 Text Text Text Text Text Text Text Text Text Text
22 Text Text Text Text Text Text Text }
23 \setkomavar{institute.head}[chef]{Prof. Dr. Max Mustermann}
24 \setkomavar{institute.head.mail}{max.mustermann@hu-berlin.de}
25 \setkomavar{local}{%
26 Mohrenstraße 40/41\\
27 Zimmer 14\\
28 D-10117 Berlin}
29 \setkomavar{connections}{U Bahnhof Hausvogteiplatz (U2)}
30 \setkomavar{accessibility}{Hausvogteiplatz}
31 \setkomavar{signature}{%

```

```

29 \usekomavar{institute.head}
30 \usekomavar{fromname}
31 }

```

### 3.2 .tex-file

```

35 \let*letter)

36 \documentclass{HUBerlin-letter}

```

Now we load the personal data-file which has the ending .lco.

```

37 \LoadLetterOption{HUBerlin-letter}

```

If you have the HU font installed on your computer, you can load it, too:

```

38 % \setmainfont[%
39 %     BoldFont=ScalaSans-BoldLF,
40 %     Numbers=OldStyle]{ScalaSans-RegularLF}

```

Now following the reference information

```

41 \setkomavar{myref}{111}

42 \setkomavar{yourref}{X}

43 \setkomavar{yourmail}{3.5.2019}

44 \setkomavar{customer}{234}

45 \setkomavar{invoice}{444}

46 \setkomavar{subject}{Betreff}

47 \usepackage{blindtext}

```

We close the preamble and start the letter

```

48 \begin{document}

```

The address is written as `{\address}`

```

49 \begin{letter}{%
50     Erika Musterfrau\\
51     Musterweg 43\\
52     56789 Musterhausen%

```

Closing now again.

```

53 }

54 \opening{Sehr geehrte Frau Musterfrau,}

```

This is just some blindtext.

```

55 \blindtext[2]
56 \clearpage
57 \blindtext

```

Closing letter

```

58 \closing{Mit freundlichen Grüßen}

```

If you still have something to say/write.



59 `\ps PS: \dots`

Any amendment.

```
60 \encl{%
61   Anlage 1\\
62   Anlage 2%
63 }
```

This is the distribution

```
64 \cc{%
65   Verteiler 1\\
66   Verteiler 2%
67 }
```

That's it. Done.

```
68 \end{letter}
69 \end{document}
```

And how does a example letter looks like?

Example 2

```
1  \documentclass{HUBerlin-letter}
2  \LoadLetterOption{HUBerlin-letter}
3  \setkomavar{myref}{111}
4  \setkomavar{yourref}{X}
5  \setkomavar{yourmail}{3.5.2019}
6  \setkomavar{customer}{234}
7  \setkomavar{invoice}{444}
8  \setkomavar{subject}{Betreff}
9  \usepackage{blindtext}
10 \begin{document}
11 \begin{letter}{%
12   Erika Musterfrau\\
13   Musterweg 43\\
14   56789 Musterhausen%
15 }
16 \opening{Sehr geehrte Frau Musterfrau,}
17 \blindtext[2]
18 \clearpage
19 \blindtext
20 \closing{Mit freundlichen Grüßen}
21 \ps PS: \dots
22 \encl{%
23   Anlage 1\\
24   Anlage 2%
25 }
26 \cc{%
27   Verteiler 1\\
28   Verteiler 2%
29 }
30 \end{letter}
31 \end{document}
```

```
70 \end{letter}
71 \end{example}
```



## Guide for Coders

```
1 < *cls >
```

## 4 Letter

```
2 < *letter >
```

We load **scrllttr2** [**scrllttr2**] which is the documentclass for letters. Furthermore we set up some options.

```
3 \LoadClass[%
4   fontsize=10pt,
5   version=last,
```

If there is anything to debug, you can enable visualize

```
6   % visualize
7 ]{scrllttr2}
```

For debugging also uncomment the `\showfields{<fields>}` command.

```
8 % \showfields{head, address, location, reffline, foot}
```

Since we do want to compile with Lua<sub>La</sub>T<sub>E</sub>X, we make sure that it will be compilable only with that.

```
9 \RequirePackage{ifluatex, luatex85}
10 \ifluatex
11 \else
12 \GenericError{HUBerlin}%
13 {Please use 'LuaLaTeX' as Compiler.^^J I abort here.}
14 \fi
```

We do not need many packages. The ones we need are loaded now.

```
15 \RequirePackage[english, ngerman]{babel}
```

Common package for handling figures is **graphicx** [**graphicx**].

```
16 \RequirePackage{graphicx}
```

For loading fonts.

```
17 \RequirePackage{fontspec}
```

Verdana font as main font.

```
18 \setmainfont{Verdana}
```

For the wheelchair symbol we load **marvosym** [**marvosym**]

```
19 \RequirePackage{marvosym}
```

To get the HU logo on the second and following pages we load **scrlayer-scrpage** [**scrlayer-scrpage**].

```
20 \RequirePackage{scrlayer-scrpage}
21 \DeclareNewLayer[
22   foreground,
23   textarea,
24   voffset=\useplength{firstheadvpos},
25   hoffset=\useplength{firstheadhpos},
26   width=\useplength{firstheadwidth},
```

```

27 mode=picture,
28 contents=\putUL{\raisebox{\dimexpr-\height}{\usekomavar{firsthead}}\hfill\thepage}
29 ]{likefirstpage.head}
30 \AddLayersToPageStyle{scrheadings}{likefirstpage.head}
31 \clearpairofpagestyles

```

For better adjustments of the layout we load **geometry** [geometry].

```

32 \RequirePackage{geometry}
33 \geometry{%
34   a4paper
35   , left           =25mm
36   , bottom         =16mm
37   , foot           =4mm
38   , top            =77mm
39   , nohead
40   , textwidth      =117mm
41   , marginparsep   =0mm
42   , marginparwidth =0mm
43 }

```

Main Text and signature should be raggedright.

```

44 \renewcommand*{\raggedsignature}{\raggedright}
45 \raggedright

```

We define new komavars.

First the possibility to name the faculty,

```

46 \newkomavar{faculty}
47 \newkomafont{faculty}{\bfseries\fontsize{8.5}{10}\selectfont}

```

then the institute

```

48 \newkomavar{institute}
49 \newkomafont{institute}{\fontsize{8.5}{10}\selectfont}

```

and further fields for information.

```

50 \newkomavar{institute.additional}

```

We pass the name of the head of the institute.

```

51 \newkomafont{institute.head}{\bfseries}
52 \newkomavar{institute.head}%

```

Its position will be written as the optional argument.

There is even the possibility to print the email-address onto the letter.

```

53 \newkomavar{institute.head.mail}%

```

Since there are many buildings with offices we tell where to find the sender

```

54 \newkomavar{local}
55 \setkomavar*{local}{Sitz:}

```

and how to get there.

```

56 \newkomavar{connections}
57 \setkomavar*{connections}{Verkehrsverbindungen:}

```

Furthermore we inform about office hours

```

58 \newkomavar{officehours}
59 \setkomavar*{officehours}{Sprechzeiten:}

```

and if there is accessibility for wheelchairs etc.

```

60 \newkomavar{accessibility}
61 \setkomavar*{accessibility}{\large\reflectbox{\Wheelchair}} Eingang:}

62 \newkomavar{bank}
63 \setkomavar*{bank}{Bankverbindung:}
64 \setkomavar{bank}{Deutsche Bank PGK AG}
65 \newkomavar{IBAN}
66 \setkomavar{IBAN}{\mbox{IBAN DE95 1007 0848 0512 6206 01}}
67 \newkomavar{BIC}
68 \setkomavar{BIC}{BIC DEUTDEDB110}

```

Now we set the location field, which is the section on the right with additional information:

```

69 \setkomavar{location}{%

```

First anything regarding the font

```

70 \raggedright
71 \fontsize{7}{8.5}\selectfont
72 % \begin{macrocode}
73 % and for the section of faculty, institute etc. we use \env{minipage}
74 % \begin{macrocode}
75 \begin{minipage}[t][64mm]{\useplength{locwidth}}

```

then the faculty

```

76 {\usekomafont{faculty}%
77 \usekomavar{faculty}\[1\baselineskip]}

```

and the institute.

```

78 {\usekomafont{institute}\usekomavar{institute}\[1\baselineskip]}

```

Now anything else regarding the institute.

```

79 \ifkomavareempty{institute.additional}
80 {}
81 {\usekomavar{institute.additional}\[1\baselineskip]}

```

What follows is the head of institute and its position name.

```

82 \ifkomavareempty{institute.head}
83 {}
84 {\usekomafont{institute.head}%
85 \usekomavar{institute.head}}\%
86 \usekomavar*{institute.head}}

```

We close this section and the minipage.

```

87 \end{minipage}

```

Let's turn to further information.

For example date:

```

88 \textbf{\usekomavar*{date}}\
89 \usekomavar{date}\par

```

and the sender of the letter.

```

90 \ifkomavareempty{fromname}
91 {}
92 {\textbf{\usekomavar*{fromname}}\
93 \usekomavar{fromname}\par}

```

And the reference of correspondence.

```

94 \ifkomavareempty{myref}
95 {}
96 {\textbf{\usekomavar*{myref}}}\
97 \usekomavar{myref}\par}

```

To complete this template we provide the possibility to name further reference fields.

```

98 \ifkomavareempty{yourref}
99 {}
100 {\textbf{\usekomavar*{yourref}}}\
101 \usekomavar{yourref}\par}

102 \ifkomavareempty{yourmail}
103 {}
104 {\textbf{\usekomavar*{yourmail}}}\
105 \usekomavar{yourmail}\par}

106 \ifkomavareempty{customer}
107 {}
108 {\textbf{\usekomavar*{customer}}}\
109 \usekomavar{customer}\par}

110 \ifkomavareempty{invoice}
111 {}
112 {\textbf{\usekomavar*{invoice}}}\
113 \usekomavar{invoice}\par}

114 \textbf{\usekomavar*{fromaddress}}\
115 \usekomavar{fromaddress}
116 \ifkomavareempty{fromphone}
117 {\par}
118 {\usekomavar*{fromphone}\usekomavar{fromphone}
119 \ifkomavareempty{fromfax}
120 {\par}
121 {\}}
122 \ifkomavareempty{fromfax}
123 {}
124 {\usekomavar*{fromfax}\usekomavar{fromfax}\par}

```

Next, emails and url:

```

125 \ifkomavareempty{institute.head.mail}
126 {}
127 {\usekomavar{institute.head.mail}
128 \ifkomavareempty{fromemail}
129 {\ifkomavareempty{fromurl}
130 {\par}
131 {\}}
132 {\}}

133 \ifkomavareempty{fromemail}
134 {}
135 {\usekomavar{fromemail}
136 \ifkomavareempty{fromurl}
137 {\par}
138 {\}}

139 \ifkomavareempty{fromurl}

```

```

140 {}
141 {\usekomavar{fromurl}\par}

```

Now the actual location of the sender

```

142 \ifkomavareempty{local}
143 {}
144 {\textbf{\usekomavar*{local}}}\
145 \usekomavar{local}\par}

```

The last information section should be pinned to the bottom.

```

146 \vfill

```

Inform your addressee about the connection possibilities.

```

147 \ifkomavareempty{connections}
148 {}
149 {\textbf{\usekomavar*{connections}}}\
150 \usekomavar{connections}\par}

151 \ifkomavareempty{officehours}
152 {}
153 {\textbf{\usekomavar*{officehours}}}\
154 \usekomavar{officehours}\par}

```

If there is a barrier free entrance, tell it.

```

155 \ifkomavareempty{accessibility}
156 {}
157 {\textbf{\usekomavar*{accessibility}}}\
158 \usekomavar{accessibility}\par}

```

And last the bank connection

```

159 \ifkomavareempty{bank}
160 {}
161 {\textbf{\usekomavar*{bank}}}\
162 \usekomavar{bank}\
163 \usekomavar{IBAN}\
164 \usekomavar{BIC}
165 }

```

Finally we close `\setkomavar{<location>}`

```

166 }

```

To fulfill the Corporate Design rules we adjust a few things.

```

167 \KOMAOptions{%
168   numericaldate =true
169   ,refline      =nodate
170   ,backaddress  =plain
171   ,parskip      =half-
172 }

```

Getting rid of the reference field

```

173 \removerefferds

```

Redefining length, which we ship to the end of the preamble.

```

174 \AtBeginDocument{
175   \@setplength{refvpos}{110mm}
176   \@setplength{refaftervskip}{opt}

```

```

177 \@setlength{toaddrhpos}{25mm}
178 \@setlength{firstheadhpos}{\uselength{toaddrhpos}}
179 \@setlength{lochpos}{15mm}
180 \@setlength{locvpos}{\uselength{toaddrvpos}}
181 \@addtoplength{locvpos}{.75\baselineskip}
182 \@setlength{locwidth}{45mm}
183 \@setlength{locheight}{232mm}
184 }

```

Now resetting or pre-defining some variables.

First we set the head of the first page.



You need to have the logo of the HU stored on your computer!

```

185 \setkomavar{firsthead}{%
186   \includegraphics[width=148mm]{HUBerlin-logo.png}%
187 }

188 \setkomavar{backaddressseparator}{~\textbar~}

189 \setkomavar{fromphone}{0000}
190 \setkomavar*{fromphone}{Telefon +49 [30] 2093-}

191 \setkomavar{fromfax}{0000}
192 \setkomavar*{fromfax}{Telefax +49 [30] 2093-}

193 \setkomavar*{fromaddress}{Postanschrift:}
194 \setkomavar{fromaddress}{%
195   Humboldt-Universität zu Berlin\\
196   Unter den Linden 6\\
197   D-10099 Berlin}

198 \setkomavar*{date}{Datum:}

199 \setkomavar*{fromname}{Bearbeiter:}

200 \setkomavar*{myref}{Geschäftszeichen:}

201 \setkomavar*{enclseparator}{Anlage}

202 \setkomavar*{ccseparator}{Kopie an}

203 % \RequirePackage{hyperref}
204 % \AtBeginDocument{{
205 %   \usekomavar[\def\author]{fromname}
206 %   \usekomavar[\def\subject]{subject}
207 %   \hypersetup{%
208 %     pdftitle           = {\subject},
209 %     pdfauthor          = {\author},
210 %     pdfsubject         = {\subject},
211 %     pdfkeywords        = {\author, \subject},
212 %     pdflang            = de,
213 %     pdfdisplaydoctitle = true,
214 %     colorlinks         = true,
215 %     plainpages         = false,
216 %     hypertexnames      = false,

```



```

217 %      unicode,
218 %    }
219 %  }}

220 </letter>

221 </cls>

```

## 5 Documentation preamble <style>

```

222 <*sty>
223 <*style>
224 \makeatletter
225 \addtolength\marginparwidth{-4opt}
226 \addtolength\marginparsep{4mm}
227 \addtolength\oddsidemargin{-2opt}
228 \addtolength\evensidemargin{-2opt}
229 \let\PrintDescribeMacro=\@gobble
230 \let\PrintDescribeEnv=\@gobble
231 % \def\Describe@Macro#1{\endgroup
232 %      %\marginnote{\PrintDescribeMacro{#1}}%
233 %      \SpecialUsageIndex{#1}\@esphack\ignorespaces%
234 %    }
235 %\def\Describe@Env#1{\endgroup
236 %      %\marginnote{\PrintDescribeEnv{#1}}%
237 %      \SpecialEnvIndex{#1}\@esphack\ignorespaces%
238 %    }
239 \makeatother
240 \AtBeginDocument{\normalmarginpar}
241 \setlength\MacrocodeTopsep{.5\baselineskip}
242 \setlength\MacroIndent{6mm}
243
244
245 \RequirePackage{luatexbase}
246 \RequirePackage[ngerman,english]{babel}
247 \RequirePackage{calc}
248
249 \RequirePackage[
250   paper      = a4paper,    % - use A4 paper size
251   foot       = 2cm,
252   inner      = 3cm,        % - total body: left margin (odd pages)
253   top        = 3cm,        % - total body: top margin
254   outer      = 3cm,        % - total body: right margin (odd pages)
255   bottom     = 3cm,        % - total body: bottom margin
256   marginparwidth = 2cm,    % - width for side note
257   marginparsep = .5cm,    % - space between notes and body text (content)
258 %   showframe,
259 ]{geometry}

```

```

260
261 \newlength\fullwidth
262 \setlength\fullwidth{\textwidth+\marginparwidth+\marginparsep}
263
264 \KOMAOptions{
265   numbers      = noenddot,
266 }
267 \AtBeginDocument{
268   \KOMAOptions{
269     % headwidth = {\fullwidth},
270     % footwidth = {\fullwidth},
271     footheight = 20pt,
272     headheight = 29pt,
273     captions   = tableheading,
274   }}
275
276
277
278 \title{\HUBerlintitle}
279 %\subtitle{\HUBerlinsubtitle}
280 \author{\HUBerlinauthor}
281 \date{\Version}
282
283
284 %---- Required Packages
285 \RequirePackage{ifluatex, luatex85}
286
287
288 \ifluatex% LuaTeX
289 \else
290 \GenericError{HUBerlin}{Please use 'LuaLaTeX' as Compiler.^^J I abort here.}
291 \fi

```

For fonts we load the package **fontspec** [4] which has almost no limits handling font-stuff.

```

292 \RequirePackage{fontspec}

293 \RequirePackage[mono=false]{libertine}
294 \RequirePackage{amssymb}
295
296 \defaultfontfeatures{%
297   Ligatures = TeX
298   , Scale   = MatchLowercase
299   , Numbers = OldStyle
300 }

```

For fonts we use the available TeX Gyre Pagella as main font.<sup>1</sup>

```

301 \setmainfont[%
302   Ligatures = TeX
303   , Numbers   = OldStyle]{TeX Gyre Pagella}

```

And we declare also the other fonts, too.

```

304 \setmonofont[Scale=1]{TeX Gyre Cursor}
305 \setsansfont[%

```

<sup>1</sup> <http://www.gust.org.pl/projects/e-foundry/tex-gyre>

```

306 ,LetterSpace = .8]{TeX Gyre Adventor-Regular}
307 \linespread{1.05}

308 \newfontfamily\listingsfont[
309   Scale      = MatchLowercase,
310 ]{TeX Gyre Cursor}
311 \renewcommand\MacroFont{\listingsfont}
312
313 \RequirePackage{marginnote}
314 \renewcommand*{\marginfont}{%
315   \rule{opt}{0.7\baselineskip}%
316   \footnotesize%
317   \color{HUBerlin-brown}}
318
319 \RequirePackage[
320   german = guillemets,
321   style   = german,
322 ]{csquotes}
323
324 \RequirePackage{enumitem}
325 \setlist{
326   nosep,
327   % itemindent=1em,
328   % labelindent=0.5\parindent,
329   leftmargin=*}
330 \newlist{tabitemize}{itemize}{2}% neue Listenumgebung
331 \setlist{tabitemize}{%
332   nosep,
333   leftmargin=*
334 }
335 \setlist{tabitemize,1}{label=\labelitemi}
336 \setlist{tabitemize,2}{label=\labelitemii}
337
338
339 \clubpenalty=10000 % prevent single lines at the beginning of a paragraph (Schustert)
340 \widowpenalty=10000 % prevent single lines at the end of a paragraph (Hurenkinder)
341 \displaywidowpenalty=10000 %
342
343 \RequirePackage{pdfpages}
344 \RequirePackage{biblatex}
345 \addbibresource{\jobname-bibliography.bib}
346 \addbibresource{\jobname-ctan.bib}
347 \RequirePackage{ccicons} %creative commons
348 \RequirePackage{xparse}
349 \RequirePackage{ragged2e}
350 \RequirePackage{microtype}
351 \RequirePackage{xspace}
352 \RequirePackage{graphicx}
353 \graphicspath{{img/}}

354 \RequirePackage{etoolbox}
355 %https://tex.stackexchange.com/a/235881/98739
356 \AfterEndPreamble{\maketitle}
357

```

```

358 % https://tex.stackexchange.com/a/401466/98739
359 \makeatletter
360 \renewcommand*{\maketitle}{%
361   % taken and shortened from /usr/share/texmf/tex/latex/koma-script/scrartcl.cls
362   \begin{titlepage}
363     \newgeometry{left=3cm, right=3cm, top=1.5cm, bottom=2cm}
364     \global\@topnum=\z@
365     \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
366     \null
367     {\large\@author\hfill Guideline and Documentation\par}
368     \vskip 10em%
369     {\begin{center}\color{HUBerlin-blue}
370 {\fontsize{50}{55}\selectfont\HUBerlinshort{} \par\vskip .5em%
371 \Large\sffamily\@title}\par
372 \vskip .5em
373 \end{center}}}%
374 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
375 \null\vskip 5em%
376 \blockcquote[195]{Hoare1973}{Documentation must be regarded as an integral part of
377 A good programming language will encourage and assist the programmer to write clear
378 self-documenting code,
379 and even perhaps to develop
380 and display a pleasant style
381 of writing.}
382 \null\vfill
383 {\usekomafont{subtitle}{\@date \hfill
384 \includegraphics[width=4cm]{texografie}\}\}%
385 \par
386 \vskip 0em
387 \restoregeometry
388 \end{titlepage}
389 }%
390 \makeatother
391
392 \RequirePackage{xcolor}
393 \definecolor{HUBerlin-blue}{RGB}{0,65,137} % HEX 004189
394 \definecolor{HUBerlin-green}{RGB}{150,190,20} % HEX 93C11A % Topoi
395 \definecolor{HUBerlin-grey}{RGB}{169,169,169}
396 \definecolor{HUBerlin-brown}{RGB}{82,79,60}
397 \definecolor{HUBerlin-red}{RGB}{180,0,0}
398
399
400 \usepackage{dirtree}
401 \renewcommand*{\DTstylecomment}{%
402   \color{HUBerlin-grey}%
403   \footnotesize%
404   \sffamily}
405 \renewcommand*{\DTstyle}{%
406   \ttfamily%
407   \small%
408   }
409
410 \RequirePackage[

```

```

411 markcase      = noupper,
412 footsepline = .5pt,
413 % headsepline = .5pt,
414 autooneside = false,% use left and right marks with a onesided document
415 automark,% set \leftmark and \rightmark automatically by *\section and \subsection
416 draft = false,
417 ]{scrlayer-scrpage}
418
419 \pagestyle{scrheadings}
420 \clearscrheadfoot
421 \rofoot*{\thepage}
422 \lofoot*{\textcolor{HUBerlin-blue}{\HUBerlintitle}\ \vrule\ \textcolor{HUBerlin-
    brown}{\HUBerlinsubtitle}}
423 \rohead*{HUBerlin-bundle}
424 \lohead*{Version: \Version}

425 % https://tex.stackexchange.com/a/352925/98739
426 \newcommand*\partnumber{}
427 \DeclareNewLayer[
428   background,
429   textarea,
430   addwidth=\marginparsep+\marginparwidth,
431   mode=picture,
432   contents={%
433 \putC{\makebox[opt][c]{\raisebox{-.5\height}{\scalebox{50}{\textcolor{black!5}{\part
434   }
435 }]{partnumber}
436 \DeclareNewPageStyleByLayers{part}{partnumber}
437 \renewcommand\partpagestyle{part}
438 \renewcommand*\partformat{\gdef\partnumber{\thepart}}
439
440 % only a dirty workaround for the part title
441 \newcommand*\changedpartwidth[1]{%
442   \makebox[\linewidth][l]{%
443 \parbox{\dimexpr\textwidth+\marginparsep+\marginparwidth\relax}{\raggedpart#1}%
444   }%
445 }
446 % add \changedpartwidth as last command to the settings for font element part
447 \addtokomafont{part}{\Huge\changedpartwidth}
448
449
450
451 %-https://tex.stackexchange.com/a/339516/98739 | https://tex.stackexchange.com/a/98739/98739
452 % footnotes in the footer:
453 \deffootnote%
454   %[\normalparindent]%<width of mark>
455   {0.0cm}%<indent of footnote text>
456   {\normalparindent}%<paragraph indent in the footnote text>
457   {\makebox[\normalparindent][r]%
458   {\thefootnotemark\hspace*{3pt}}}%<definition of mark>
459 \newlength{\normalparindent}
460 \AtBeginDocument{\setlength{\normalparindent}{\parindent}}
461 \setfootnoterule{opt}% Kein Fußnotenstrich

```

```

462 %\setfootnoterule[<height>]{<length>}
463

```

This will put the numbers of the chapters and sections into the margin.

```

464 \renewcommand\sectionlinesformat[4]{%
465   \makebox[opt][r]{#3}#4%
466 }

467 \RequirePackage{url}
468 %   \urlstyle{same}
469
470 \setkomafont{title}{\sffamily\color{HUBerlin-blue}\flushleft\bfseries}
471 \setkomafont{disposition}{\color{HUBerlin-brown}\sffamily\bfseries\large}
472 \setkomafont{section}{\usekomafont{disposition}}
473 \setkomafont{subsection}{\usekomafont{disposition}}
474 \setkomafont{subsubsection}{\usekomafont{disposition}}
475 % \setkomafont{paragraph}{\bfseries}
476 % \setkomafont{subsubsection}{\sffamilybold}
477 \setkomafont{subtitle}{\large\color{HUBerlin-brown}\sffamily\flushleft}
478 \setkomafont{pageheadfoot}{\footnotesize\sffamily\color{HUBerlin-grey}}
479 \setkomafont{descriptionlabel}{\bfseries}
480 \setkomafont{footnotelabel}{\bfseries}
481 \addtokomafont{titlehead}{\flushright}
482 % \setkomafont{headsepline}{\color{HUBerlin-blue}}
483 %\setkomafont{marginnote}{\MakeUppercase\color{HUBerlin-brown}}
484 \addtokomafont{caption}{\scriptsize}
485 \setkomafont{captionlabel}{\bfseries\sffamily}
486 \setkomafont{subject}{\bfseries\sffamily}
487 \setcapindent{opt}
488
489 \raggedbottom
490
491 \usepackage{listings}
492 \PassOptionsToPackage{final}{listings}
493 \usepackage[%
494   skins
495   ,listings
496   ,breakable
497   ,xparse
498   ,documentation
499 ]{tcolorbox}
500 \lstMakeShortInline[language=TeX,basicstyle=\ttfamily]|

```

Following we load **hyperxmp** [3] and **hyperref** [2] for PDF-meta data and interactive linked text.

```

501 \RequirePackage{hyperxmp}
502 \RequirePackage{hyperref}
503 \hypersetup{% setup the hyperref-package options
504   unicode      = true,
505   pdfauthor    = {HUBerlin}, %   - author (PDF meta)
506   pdfauthortitle = {},
507   pdfcopyright = {Copyright (c) \the\year . All rights reserved.},
508   pdfhighlight = /N,
509   pdfdisplaydoctitle = true,
510   pdfdate      = {\today},

```

```

511 pdflang      = {},%de en
512 pdfcaptionwriter = {Lukas C. Bossert},
513 pdfkeywords    = {HUBerlin},
514 pdfencoding    = auto,
515 pdfproducer    = {HUBerlin with LuaLaTeX},
516 bookmarksnumbered = true,
517 bookmarksopenlevel = 2,
518 bookmarksopen   = true,
519 bookmarksdepth  = 3,
520 colorlinks      = true,      %Colours links instead of ugly boxes
521 urlcolor        = HUBerlin-blue, %Colour for external hyperlinks
522 linkcolor       = black,     %Colour of internal links
523 citecolor       = black,     %Colour of citations
524 linktoc         = page,
525 pdfborder       = {0 0 0},
526 breaklinks      = true,     %allow line break inside links
527 final
528 }
529 \RequirePackage{bookmark}
530
531 \RequirePackage[
532   sort,
533   nameinlink,
534   compress,
535   ngerman,english
536 ]{cleveref}
537
538
539 %---- newcommands
540 \newcommand{\TeXografie}{Lukas C. Bossert
541   (www.TeXografie.de)}
542 \newcommand\HUBerlin{\HUBerlintitle\xspace}
543
544
545 \newcommand\HUBerlinFolder{%
546   \begingroup%
547   \normalfont%
548   \color{HUBerlin-blue}%
549   % \faFolderOpen% taken from fontawesome
550   \hspace{.3em}%
551   \endgroup}
552
553
554
555 \RedeclareSectionCommands[
556   tocraggedpagenumber,
557   toclinefill=\tocpageseparator,
558   tocindent=oem,
559   tocnumwidth=4em,
560   tocpagenumberbox=\tocpagenumberbox% <- added
561 %   tocpagenumberformat=\textsf,
562 ]{chapter, section, subsection, subsubsection, paragraph}
563

```

```

564 \newcommand\tocgobble[1]{}% <- added
565 \newcommand\tocpageseparator{\footnotesize\, \mbox{---}\, }
566 \newcommand\tocpagenumberbox[1]{\mbox{\#1}}% <- added
567 \KOMAoptions{toc=indentunnumbered}
568
569 \RedeclareSectionCommand[
570 %   tocbeforeskip=1.25em plus 1pt
571   , tocentryformat=\large\scshape%
572   , tocindent=oem
573   , tocnumwidth=4em
574   , tocpagenumberbox=\tocgobble% <- added
575 ]{part}
576 %\addtokomafont{partentry}{\scshape\sffamily\bfseries}
577
578 \RedeclareSectionCommand[%
579 %   , beforeskip=1.15em plus 1pt%
580 , tocentryformat=\textbf%
581 %   , toclinefill={\TOCLineLeaderFill}%\TOCLineLeaderFill[\textbf{.}]
582 ]{chapter}
583
584
585
586
587 \newtcolorbox{example}[1][]{
588   breakable,
589   top=5pt,
590   bottom=5pt,
591   colback=HUBerlin-blue!10,
592   colframe=HUBerlin-blue,
593   left=5pt,
594   right=5pt,
595   sharp corners,
596   boxrule=0pt,
597   bottomrule=2pt,
598   toprule=2pt,
599   enhanced jigsaw,
600   lefttitle=opt,
601   coltitle=white,
602   fonttitle=\bfseries,
603   fontupper=\small,%\ttfamily,
604   % colbacktitle=HUBerlin-blue!20
605   #1,
606 }
607
608 % Replace the squat-u symbol for spaces
609 % https://tex.stackexchange.com/a/488123/98739
610 \makeatletter
611 \def\lst@visiblespace{\lst@ttfamily{\char32}$\textcolor{HUBerlin-grey}{\cdot}$}
612 \makeatother
613
614
615 \lstset{%
616   basicstyle = \linespread{0.7}\listingsfont

```



```

617 ,breaklines = true
618 ,breakatwhitespace
619 ,alsoletter=\\{\}\}*\[\\]-
620 ,showstringspaces=true
621 }
622
623 \lstdefinestyle{HUBerlinlistingstyledef}{%
624   tabsize      = 4,
625   breaklines   = true,
626   breakatwhitespace = true,
627   postbreak=\mbox{$\hookrightarrow$},
628   %keepspace    = true,
629   escapeinside = {(*@){@*}},
630   moredelim    = {[is][\ttfamily\bfseries\color{HUBerlin-blue}]{\}{\}},
631   moredelim    = {[is][\ttfamily\bfseries\color{HUBerlin-blue}]{\1}{\1}},
632   moredelim    = {[is][\ttfamily\bfseries\color{HUBerlin-red}]{\2}{\2}},
633   aboveskip=opt,
634   belowskip=opt,
635   captionpos=b,
636   resetmargins=true,
637   sensitive=true,
638   upquote=true,
639   showspaces=true,
640   showtabs=true,
641   tab=\textcolor{HUBerlin-grey}{\rightarrowfill},
642   %numbers=left,
643   %numberstyle=\footnotesize\ttfamily\color{HUBerlin-grey},
644   comment      = [l]{\%},
645   commentstyle = \footnotesize\color{HUBerlin-grey}\addfontfeature{LetterSpace=.7},
646   % deletecomment = [l]{\%<}
647   % morecomment   = [l][\nullfont]{\%<},
648   % deletecomment = [is]{\%<}{>},
649 }
650
651 \lstdefinestyle{HUBerlinlistingstyle}{%
652   language = {TeX},
653   style    = {HUBerlinlistingstyledef},
654 }
655
656
657
658
659
660
661 \tcbsset{%
662 HUBerlinstyle/.style={%
663   enhanced,
664   before skip=2mm,
665   after skip=3mm,
666   boxrule=0.7pt,
667   left=2mm,
668   right=2mm,
669   top=2mm,

```

```

670 bottom=2mm,
671 sharp corners,
672 colback=white,
673 colbacklower=white,
674 % fonttitle=\sffamily\bfseries,
675 breakable,
676 %before skip=\baselineskip,
677 coltitle=white,
678 colbacktitle=HUBerlin-blue!50!black,
679 fonttitle=\bfseries\sffamily\footnotesize,
680 % before upper={\mynote{\thetcbcounter}},
681 title={\hfill{Example \thetcbcounter}},
682 },
683 codecomment/.style={%
684 listing outside comment,%
685 boxrule=opt,
686 colback=white,
687 }
688 }
689
690 \newtcolorbox{warning}[1][]{
691 enhanced,
692 before skip=2mm,
693 after skip=3mm,
694 boxrule=0.7pt,
695 left=5mm,
696 right=2mm,
697 top=2mm,
698 bottom=2mm,
699 colback=white,
700 colframe=yellow!20!black,
701 sharp corners,
702 rounded corners=southeast,
703 arc is angular,
704 arc=3mm,
705 underlay={%
706 \path[fill=HUBerlin-grey!80!black] ([yshift=3mm]interior.south east)--
707 ++(-0.4,-0.1)--++(0.1,-0.2);
708 \path[draw=HUBerlin-grey,shorten <=-0.05mm,shorten >=-0.05mm] ([yshift=3mm]interior
709 ++(-0.4,-0.1)--++(0.1,-0.2);
710 \path[fill=red!50!black,draw=none] (interior.south west) rectangle node[white]{\Huge
711 },
712 drop fuzzy shadow,
713 #1
714 }
715
716 \newtcblisting[%
717 auto counter,
718 crefname = {example}{examples},
719 Crefname = {Example}{Examples},
720 ]{codetext}[2][]{%
721 HUBerlinstyle,
722 % side text,

```

```

721   rounded corners=northeast,
722   arc=6mm,
723   listing style=HUBerlinlistingstyle,
724   label = #2,
725   #1,
726 }
727
728 \newtcblisting[%
729   use counter from=codetext,
730   crefname={code example}{code examples},
731   Crefname={Code example}{Code examples}%
732 ]{code}[2][]{%
733   HUBerlinstyle,
734   rounded corners=southeast,
735   arc=6mm,
736   listing only,
737   listing style=HUBerlinlistingstyle,
738   label = #2,
739   #1,
740 }
741
742
743 \DeclareTCBInputListing[%
744   use counter from=codetext,
745   crefname={code example}{code examples},
746   Crefname={Code example}{Code examples}%
747 ]{\HUBerlinlisting}{ O{} m }{%
748   HUBerlinstyle,
749   listing file={#2},
750   listing only,
751   listing style=HUBerlinlistingstyle,
752   #1,
753 }
754
755 \makeatletter
756 \newrobustcmd*{\fnurl}[1][]{\hyper@normalise\ltd@fnurl{#1}}
757 \def\ltd@fnurl#1#2{\footnote{#1\hyper@linkurl{\Hurl{#2}}{#2}}}
758 \makeatother

```

The first command is used to reference packages with: `\pkg{<package name>}`.<sup>2</sup> The name of the package is linked to its entry on CTAN and referenced to the bibliography in the end of this documentation.

```

759 \RequirePackage{newfile}
760 \newoutputstream{pkglist}

761 \NewDocumentCommand{\pkg}{om}{%
762   \IfNoValueTF{#1}
763   {\lowercase{\href{http://www.ctan.org/pkg/#2}}{\textbf{#2}}}
764   {\lowercase{\href{http://www.ctan.org/pkg/#1-#2}}{\textbf{#2}}}%
765   \space\cite{#2}%
766   \addtostream{pkglist}{#2}}

```

<sup>2</sup> Do not forget to insert the name of the package into the makefile in the definition of PKG.

```

767 \newrobustcmd*{\lit}[1]{\textsf{#1}}
768 \newrobustcmd*{\Code}[1]{\texttt{#1}}
769 \newrobustcmd*{\tex}{\TeX}
770 \newrobustcmd*{\etex}{\mbox{e-TeX}}
771 \newrobustcmd*{\pdftex}{pdf-\tex}
772 \newrobustcmd*{\xetex}{Xe-\tex}
773 \newrobustcmd*{\luatex}{Lua-\tex}
774 \newrobustcmd*{\latex}{\LaTeX}%{La\kern-0.07em TeX}
775 \newrobustcmd*{\pdflatex}{pdf-\latex}
776 \newrobustcmd*{\xelatex}{Xe-\latex}
777 \newrobustcmd*{\lualatex}{Lua-\latex}
778 \newrobustcmd*{\miktex}{Mik-\tex}
779 \newrobustcmd*{\texlive}{\tex~live}
780 \newrobustcmd*{\bibtex}{Bib\kern-0.07em TeX}
781 \newrobustcmd*{\lppl}{\latex{} Project Public License}
782 \newrobustcmd*{\pdf}{{PDF}}
783 \newrobustcmd*{\md}{{Markdown}}
784 \newrobustcmd*{\utf}{\mbox{{UTF}-8}}
785 % no \mbox here, we may have to break things
786 \newrobustcmd*{\bibfield}[1]{\Code{#1}}
787 \newrobustcmd*{\opt}[1]{\Code{#1}}
788 \newrobustcmd*{\bibmacro}[1]{\Code{#1}}
789 \newrobustcmd*{\bibtype}[1]{\Code{@#1}}
790 %\renewrobustcmd*{\cmd}[1]{\Code{\textbackslash #1}}
791 \renewrobustcmd\meta[1]{\normalfont{\texttriangle}{\itshape#1/}\{\texttriangle}}
792
793 % directly taken from ltxdoc.dtx
794 \renewrobustcmd\marg[1]{%
795   {\ttfamily\textcolor{HUBerlin-red}{\{}}}%
796   \meta{#1}%
797   {\ttfamily\textcolor{HUBerlin-red}{\}}}%
798 }
799
800 \renewrobustcmd\oarg[1]{%
801   {\ttfamily\textcolor{HUBerlin-green}{[]}}%
802   \meta{#1}%
803   {\ttfamily\textcolor{HUBerlin-green}{}}}%
804 }
805
806 % adapted from listings.dtx (lstdoc.sty)
807 \renewrobustcmd\cmd[1]{%
808   \texttt{\color{HUBerlin-blue}\textbackslash string#1}\xspace%
809 }
810
811 \newrobustcmd\env[2][]{%
812   \texttt{%
813     \color{HUBerlin-blue}%
814     \textbackslash begin\{\string#2\}\#1}%
815     \ldots
816     \texttt{%
817       \color{HUBerlin-blue}%
818       \textbackslash end\{\string#2\}}%
819     \xspace}

```

For a common layout of the parameter style to identify code of the different documents, files and packages we use `\param{(name of the parameter)}`.

```

820 \newcommand\param[1]{%
821   \begingroup%
822   \normalfont%
823   \ttfamily%
824   \bfseries%
825   \textless%
826   #1%
827   \ttfamily%
828   \bfseries%
829   \textgreater%
830   \endgroup}

831 \pdfstringdefDisableCommands{%
832   \def\lstinline#1{<#1>}
833   \def\tex{TeX}%
834   \def\etex{e-TeX}%
835   \def\xetex{XeTeX}%
836   \def\latex{LaTeX}%
837   \def\xelatex{XeLaTeX}%
838   \def\bibtex{BibTeX}%
839   \def\lpl{LaTeX Project Public License}%
840   \def\pdf{PDF}%
841   \def\utf{UTF-8}%
842   \def\{\}%
843   \def\texttt#1{<#1>}%
844   \def\marg#1{\{#1\}}%
845   \def\oarg#1{[#1]}%
846   \def\color#1#2{}%
847   \def\env#1{<#1>}
848   \def\cmd#1{#1}
849 }
850 % https://tex.stackexchange.com/a/24067/98739
851 \makeatletter
852 \patchcmd{\scr@startchapter}{\if@openright\cleardoublepage\else\clearpage\fi}{}{}{}
853 \makeatother
854 %
855 \usepackage[tightLists=false]{markdown}
856 \markdownSetup{rendererPrototypes={%
857   link = {\href{#3}{#1}}%
858 }}
859 \</style>

860 \</sty>

```

## Bibliography

- [1] Charles Antony Richard Hoare. »Hints on programming language design«. In: *Computer Systems Reliability*. Ed. by C. Bunyan. State of the Art Report 20. 1973, pp. 193–216. URL: <http://flint.cs.yale.edu/cs428/doc/HintsPL.pdf> (visited on 09/06/2018).
- [2] Heiko Oberdiek and Sebastian Rahtz. *The Hyperref package. Extensive support for hypertext in LaTeX*. Version 6.88e. Nov. 30, 2018. URL: <https://github.com/ho-tex/hyperref> (visited on 05/14/2019).
- [3] Scott Pakin. *The Hyperxmp package. Embed XMP metadata within a LaTeX document*. Version 4.1. URL: <http://www.ctan.org/pkg/hyperxmp> (visited on 05/14/2019).
- [4] Will Robertson. *The Fontspec package. Advanced font selection in XeLaTeX and LuaLaTeX*. Version 2.7c. URL: <http://www.ctan.org/pkg/fontspec> (visited on 05/14/2019).

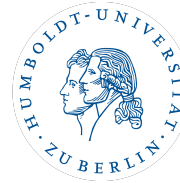


Example files

## 6 Letter



## HUMBOLDT-UNIVERSITÄT ZU BERLIN



HU Berlin | August-Boeckh-Antikezentrum | D-10099 Berlin

Erika Musterfrau  
Musterweg 43  
56789 Musterhausen

**Philosophische Fakultät I**

August-Boeckh-Antikezentrum

Text Text Text Text Text Text Text  
Text Text Text Text Text Text Text  
Text Text Text Text Text Text Text  
Text Text

**Prof. Dr. Max Mustermann**  
chef

**Betreff**

Sehr geehrte Frau Musterfrau,

Dies hier ist ein Blindtext zum Testen von Textausgaben. Wer diesen Text liest, ist selbst schuld. Der Text gibt lediglich den Grauwert der Schrift an. Ist das wirklich so? Ist es gleichgültig, ob ich schreibe: „Dies ist ein Blindtext“ oder „Huardest gefburn“? Kjift – mitnichten! Ein Blindtext bietet mir wichtige Informationen. An ihm messe ich die Lesbarkeit einer Schrift, ihre Anmutung, wie harmonisch die Figuren zueinander stehen und prüfe, wie breit oder schmal sie läuft. Ein Blindtext sollte möglichst viele verschiedene Buchstaben enthalten und in der Originalsprache gesetzt sein. Er muss keinen Sinn ergeben, sollte aber lesbar sein. Fremdsprachige Texte wie „Lorem ipsum“ dienen nicht dem eigentlichen Zweck, da sie eine falsche Anmutung vermitteln. Dies hier ist ein Blindtext zum Testen von Textausgaben. Wer diesen Text liest, ist selbst schuld. Der Text gibt lediglich den Grauwert der Schrift an. Ist das wirklich so? Ist es gleichgültig, ob ich schreibe: „Dies ist ein Blindtext“ oder „Huardest gefburn“? Kjift – mitnichten! Ein Blindtext bietet mir wichtige Informationen. An ihm messe ich die Lesbarkeit einer Schrift, ihre Anmutung, wie harmonisch die Figuren zueinander stehen und prüfe, wie breit oder schmal sie läuft. Ein Blindtext sollte möglichst viele verschiedene Buchstaben enthalten und in der Originalsprache gesetzt sein. Er muss keinen Sinn ergeben, sollte aber lesbar sein. Fremdsprachige Texte wie „Lorem ipsum“ dienen nicht dem eigentlichen Zweck, da sie eine falsche Anmutung vermitteln.

**Datum:**  
16. 5. 2019

**Wissenschaftlicher Mitarbeiter**  
Dr. Heinz Hermann

**Geschäftszeichen:**  
111

**Ihr Zeichen**  
X

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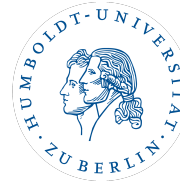
**Sitz:**  
Mohrenstraße 40/41  
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U Bahnhof Hausvogteiplatz (U2)

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## HUMBOLDT-UNIVERSITÄT ZU BERLIN



Dies hier ist ein Blindtext zum Testen von Textausgaben. Wer diesen Text liest, ist selbst schuld. Der Text gibt lediglich den Grauwert der Schrift an. Ist das wirklich so? Ist es gleichgültig, ob ich schreibe: „Dies ist ein Blindtext“ oder „Huardest gefburn“? Kjift – mitnichten! Ein Blindtext bietet mir wichtige Informationen. An ihm messe ich die Lesbarkeit einer Schrift, ihre Anmutung, wie harmonisch die Figuren zueinander stehen und prüfe, wie breit oder schmal sie läuft. Ein Blindtext sollte möglichst viele verschiedene Buchstaben enthalten und in der Originalsprache gesetzt sein. Er muss keinen Sinn ergeben, sollte aber lesbar sein. Fremdsprachige Texte wie „Lorem ipsum“ dienen nicht dem eigentlichen Zweck, da sie eine falsche Anmutung vermitteln.

Mit freundlichen Grüßen

Prof. Dr. Max Mustermann Dr. Heinz Hermann

PS: ...

Anlage: Anlage 1  
Anlage 2

Kopie an: Verteiler 1  
Verteiler 2