LORENZO PANTIERI

CUSTOMIZING CLASSICTHESIS
WITH THE ARSCLASSICA PACKAGE

In the titlepage it is reproduced an engraving of Maurits Cornelis Escher, titled *Plane Filling with Birds* (the picture is get from http://www.mcescher.com/).

ABSTRACT

The package changes some typographical points of the ClassicThesis style, by André Miede. It allows to reproduce the look of the guide *The art of writing with LATEX* (in Italian) [4]. The hint for the original modification of ClassicThesis was gave to me by Daniel Gottschlag. The package was written for the Italian TEX and LATEX User Group (G∪IT, http://www.guit.sssup.it/).

SOMMARIO

Il pacchetto modifica alcuni aspetti tipografici dello stile ClassicThesis, di André Miede. Permette di riprodurre la veste grafica della guida *L'arte di scrivere con LATEX* [4]. Lo spunto per l'originale rielaborazione di ClassicThesis mi è stato offerto da Daniel Gottschlag. Il pacchetto è stato scritto per il Gruppo Utilizzatori Italiani di TEX e LATEX (G∪IT, http://www.guit.sssup.it/).

ACKNOWLEDGEMENTS

CONTENTS

1

FUNDAMENTALS

This chapter introduces the (truly simple) basic notions of ArsClassica and presents its fundamental ideas and peculiarities.

1.1 INTRODUCTION

The ArsClassica package changes some typographical aspects of the ClassicThesis style, by André Miede [2, 3]. It allows to reproduce the layout of my guide *The art of writing in LaTeX* [4] (in Italian) and of the present document. The hint for this original reworking of Classic-Thesis was gave to me by Daniel Gottschlag.

The art of writing with LaTeX

1.2 USE OF THE PACKAGE

The package is shaped for being executed on a *complete* installation of MiKTeX or TeX Live, and uses font freely available.

The installation of ArsClassica is very simple. You can download the `arsclassica.zip` file from CTAN (http://www.ctan.org/tex-archive/macros/latex/contrib/arsclassica/); then you will decompress it and install `arsclassica.sty` in the usual way.

The package works with the KOMA–Script classes (scrreprt, scrbook and scrartcl) and requires the classicthesis and classicthesis-ldpkg packages, *updated to last version available (the 2.5)*; it must be loaded *after* these last ones. It can be loaded simply by

ArsClassica requires the 2.5 version of ClassicThesis

```latex
\documentclass[⟨...⟩]{scrreprt} % or scrbook or scrartcl

\usepackage[⟨...⟩]{classicthesis-ldpkg}
\usepackage[⟨...⟩]{classicthesis}
\usepackage[⟨...⟩]{arsclassica}

\begin{document}
...
```

```
\end{document}
```

For example, the present document has been obtained with the following code:

```
\documentclass[10pt,a4paper,twoside,openright,titlepage,fleqn,%
               cleardoubleempty,abstracton,pointlessnumbers,%
               headinclude,footinclude,BCOR5mm,%
               tablecaptionabove]{scrreprt}

\usepackage{⟨...⟩}
\usepackage{classicthesis-ldpkg}
\usepackage[eulerchapternumbers,subfig,beramono,%
            eulermath,pdfspacing]{classicthesis}
\usepackage{arsclassica}
\usepackage{⟨...⟩}

\begin{document}
...
\end{document}
```

It is recommended, but not compulsory, to use the options `beramono`, `eulerchapternumbers` and `eulermath` together with ArsClassica.

1.3 OPTIONS OF THE PACKAGE

References of backref in Italian

The ArsClassica package has five options available, `english` (default), `french`, `german`, `spanish`, and `italian`,

```
\usepackage[⟨language⟩]{arsclassica}
```

which allow to have the final bibliographical references (generated from the package backref, loaded automatically from classicthesis-ldpkg) and the labels of the minitocs (if the package minitoc is loaded) respectively in English, French, German, Spanish, and Italian.

1.4 THE STYLE

The difference between ArsClassica and ClassicThesis

The typographical style obtained with ArsClassica differs from Classic-Thesis for the following aspects:

- use of Iwona font, by Janusz M. Nowacki, for the titles of the sectioning units of the document (chapters, sections, subsections, sub-subsections, paragraphs and subparagraphs), for the labels of description lists, for the headlines and the label of the captions (ClassicThesis does not use any font sans serif);

- customized chapter numbers;

- semi-transparent headlines; the headlines are separated from the page number by a small rule;

- captions with labels in boldface (which ClassicThesis does not use);

- itemize lists with semi-transparent labels;

- index on two columns with balance;

- space between the lines always fixed to 1.00 (ClassicThesis sets it to 1.05, if the Palatino font is used);

- symmetrical marginal notes (flushed right in the even pages, left in the odd ones—in twoside documents), like Bringhurst does in his *Elements* [1] (but not ClassicThesis, which flushes the marginal notes always left).

- "double square" text body (like in version 2.3 of the style), for documents written in A4 format using Palatino font.

The ArsClassica package is conceived in order to provide to the user a ready-to-use typographical style: if you change the previous settings, you will risk to destroy the equilibrium of the style, so it is *highly recommended* to keep them unchanged.

It is recommended to keep the settings of ArsClassica unchanged.

One of the principles of LaTeX is that it allows the author to take no interest in the typographical questions, permitting him to focus only the structure and the contents of the document. This fact should always be taken in consideration: using a style written from others, the user accepts all the typographical settings chosen for him from the author of the style, and he is not forced to study typography in order to fix the layout of his publications. This is the case of ArsClassica too: if you change its settings, you will contradict this philosophy and, consequently, you must study (a lot of) typography in order to obtain acceptable results.

The style obtained with ArsClassica is not therefore configurable or customizable (the only exception is the option for the language). The typographical style is something of very personal: if you are satisfied with the package and find attractive the idea to take no interest in the problem of the style definition, then you will use ArsClassica with satisfaction; otherwise, if you have different needs or you are not satisfied with the layout of the package, then you should try other classes or packages, even building your own style.

1.5 NEW COMMANDS

1.5.1 Particular logos

The package offers the commands \ctLaTeX, \ctLaTeXe and \ctTeX, which allow to reproduce respectively the LaTeX, LaTeX 2_ε and TeX logos correctly written in Iwona.

The commands \ctLaTeX, \ctLaTeXe, \ctTeX

1.5.2 Graphics with coloured background

The \arsincludegraphics command is defined, which allows to include graphics with "Alice Blue" coloured background, like in Figure 1b on the following page; it works like \includegraphics. This works, of course, only with graphics with a transparent background, such us PDF or some PNG files. You might want to say
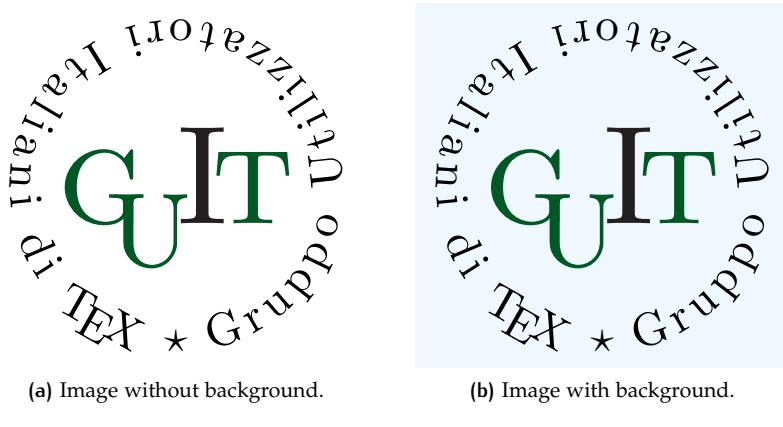
The \arsincludegraphics command

(a) Image without background.

(b) Image with background.

Figure 1: Graphics with coloured background.

```
\renewcommand{\includegraphics}{\arsincludegraphics}
```

in order that each of your included graphics has this blue background.

In the previous versions of ArsClassica, `\arsincludegraphics` command was named `\myincludegraphics`: the old name is still manteined (for now), but deprecated.

1.6 EXAMPLES

Note: The content of this chapter is just some dummy text. It is not a real language.

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque.

A subsection

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

A sub-subsection

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feu-

(a) Asia personas duo.

(b) Pan ma signo.

(c) Methodicamente o uno.

(d) Titulo debitas.

Figure 2: Tu duo titulo debitas latente.

giat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

A PARAGRAPH Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

MANE Lorem ipsum dolor sit amet, consectetuer adipiscing elit.

TEKEL Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

FARES Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna.

The labels of description lists are in Iwona.

Table 1: Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Curabitur dictum gravida mauris.

p	¬p
V	F
F	V

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

2 | THE CODE

Announcement of the package and requirement for the necessary packages.

```
1  \NeedsTeXFormat{LaTeX2e}
2  \ProvidesPackage{arsclassica}[2009/01/01 v2.5.3 Customizing
3                                ClassicThesis (LP)]
4  \RequirePackage{classicthesis-ldpkg}
5  \RequirePackage{classicthesis}
```

Declaration of the language option: english (default), french, german, spanish, and italian.

```
6   \newboolean{english}
7   \newboolean{french}
8   \newboolean{german}
9   \newboolean{spanish}
10  \newboolean{italian}
11  \DeclareOption{english}{\setboolean{english}{true}}
12  \DeclareOption{french}{\setboolean{french}{true}}
13  \DeclareOption{german}{\setboolean{german}{true}}
14  \DeclareOption{spanish}{\setboolean{spanish}{true}}
15  \DeclareOption{italian}{\setboolean{italian}{true}}
16  \ExecuteOptions{english}
17  \ProcessOptions\relax
```

Balance of index columns (if your document has an index).

```
18  \@ifpackageloaded{makeidx}
19  {%
20      \RequirePackage{multicol}
21      \let\orgtheindex\theindex
22      \let\orgendtheindex\endtheindex
23      \def\theindex{%
24          \def\twocolumn{\begin{multicols}{2}}%
25          \def\onecolumn{}%
26          \clearpage
27          \orgtheindex}
28      \def\endtheindex{%
29          \end{multicols}%
30          \orgendtheindex}
31      \makeindex
32  }
33  {\relax}
```

References of backref in English, French, German, Spanish, and Italian.

```
34  \ifthenelse{\boolean{english}}%
```

```latex
35  {%
36      \PackageInfo{arsclassica}{Using option "english". %
37                  This activates english language in "backref".}
38      \renewcommand*{\backreftwosep}{ and~}
39      \renewcommand*{\backreflastsep}{, and~}
40      \renewcommand*{\backrefalt}[4]{%
41          \ifcase #1 %
42              \relax%
43          \or
44              (Cited on page~#2.)%
45          \else
46              (Cited on pages~#2.)
47          \fi}
48  }
49  {\relax}
50
51  \ifthenelse{\boolean{french}}%
52  {%
53      \PackageInfo{arsclassica}{Using option "french". %
54                  This activates french language in "backref".}
55      \renewcommand*{\backreftwosep}{ et~}
56      \renewcommand*{\backreflastsep}{ et~}
57      \renewcommand*{\backrefalt}[4]{%
58          \ifcase #1 %
59              \relax%
60          \or
61              (Cit\'e \`a page~#2.)%
62          \else
63              (Cit\'e aux pages~#2.)
64          \fi}
65  }
66  {\relax}
67
68  \ifthenelse{\boolean{german}}%
69  {%
70      \PackageInfo{arsclassica}{Using option "german". %
71                  This activates german language in "backref".}
72      \renewcommand*{\backreftwosep}{ und~}
73      \renewcommand*{\backreflastsep}{ und~}
74      \renewcommand*{\backrefalt}[4]{%
75          \ifcase #1 %
76              \relax%
77          \or
78              (Zitiert auf Seite~#2.)%
79          \else
80              (Zitiert auf Seiten~#2.)
81          \fi}
82  }
83  {\relax}
84
85  \ifthenelse{\boolean{spanish}}%
86  {%
```

```
87    \PackageInfo{arsclassica}{Using option "spanish". %
88            This activates spanish language in "backref".}
89    \renewcommand*{\backreftwosep}{ y~}
90    \renewcommand*{\backreflastsep}{ y~}
91    \renewcommand*{\backrefalt}[4]{%
92        \ifcase #1 %
93            \relax%
94        \or
95            (Citado en la p\'agina~#2.)%
96        \else
97            (Citado en las p\'aginas~#2.)
98        \fi}
99    }
100  {\relax}
101
102  \ifthenelse{\boolean{italian}}%
103  {%
104      \PackageInfo{arsclassica}{Using option "italian". %
105            This activates italian language in "backref".}
106    \renewcommand*{\backreftwosep}{ e~}
107    \renewcommand*{\backreflastsep}{ e~}
108    \renewcommand*{\backrefalt}[4]{%
109        \ifcase #1 %
110            \relax%
111        \or
112            (Citato a pagina~#2.)%
113        \else
114            (Citato alle pagine~#2.)
115        \fi}
116  }
117  {\relax}
```

Settings of minitoc.

```
118  \@ifpackageloaded{minitoc}
119  {%
120      \ifthenelse{\boolean{english}}%
121      {%
122        \def\ptctitle{contents}
123        \def\mtctitle{contents}
124        \def\stctitle{contents}
125        \setlength{\mtcindent}{0pt}
126        \renewcommand{\mtifont}{\normalsize\sffamily%
127            \scshape\lsstyle}
128      }
129      {%
130        \setlength{\mtcindent}{0pt}
131        \renewcommand{\mtifont}{\normalsize\sffamily%
132            \scshape\lsstyle}
133      }
134  }
135  {\relax}
136
```

```
137  \@ifpackageloaded{minitoc}
138  {%
139     \ifthenelse{\boolean{french}}%
140     {%
141        \def\ptctitle{mati\`eres}
142        \def\mtctitle{mati\`eres}
143        \def\stctitle{mati\`eres}
144        \setlength{\mtcindent}{0pt}
145        \renewcommand{\mtifont}{\normalsize\sffamily%
146           \scshape\lsstyle}
147     }
148     {%
149        \setlength{\mtcindent}{0pt}
150        \renewcommand{\mtifont}{\normalsize\sffamily%
151           \scshape\lsstyle}
152     }
153  }
154  {\relax}
155
156  \@ifpackageloaded{minitoc}
157  {%
158     \ifthenelse{\boolean{german}}%
159     {%
160        \def\ptctitle{inhaltsverzeichnis}
161        \def\mtctitle{inhaltsverzeichnis}
162        \def\stctitle{inhaltsverzeichnis}
163        \setlength{\mtcindent}{0pt}
164        \renewcommand{\mtifont}{\normalsize\sffamily%
165           \scshape\lsstyle}
166     }
167     {%
168        \setlength{\mtcindent}{0pt}
169        \renewcommand{\mtifont}{\normalsize\sffamily%
170           \scshape\lsstyle}
171     }
172  }
173  {\relax}
174
175  \@ifpackageloaded{minitoc}
176  {%
177     \ifthenelse{\boolean{spanish}}%
178     {%
179        \def\ptctitle{\'indice}
180        \def\mtctitle{\'indice}
181        \def\stctitle{\'indice}
182        \setlength{\mtcindent}{0pt}
183        \renewcommand{\mtifont}{\normalsize\sffamily%
184           \scshape\lsstyle}
185     }
186     {%
187        \setlength{\mtcindent}{0pt}
188        \renewcommand{\mtifont}{\normalsize\sffamily%
```

```
189        \scshape\lsstyle}
190     }
191 }
192 {\relax}
193
194 \@ifpackageloaded{minitoc}
195 {%
196     \ifthenelse{\boolean{italian}}%
197     {%
198         \def\ptctitle{indice}
199         \def\mtctitle{indice}
200         \def\stctitle{indice}
201         \setlength{\mtcindent}{0pt}
202         \renewcommand{\mtifont}{\normalsize\sffamily%
203            \scshape\lsstyle}
204     }
205     {%
206         \setlength{\mtcindent}{0pt}
207         \renewcommand{\mtifont}{\normalsize\sffamily%
208            \scshape\lsstyle}
209     }
210 }
211 {\relax}
```

Use of Iwona as font sans serif.

```
212 \renewcommand{\sfdefault}{iwona}
```

Customized chapter numbers.

```
213 \let\chapterNumber\undefined
214 \ifthenelse{\boolean{@eulerchapternumbers}}
215 {\newfont{\chapterNumber}{eurb10 scaled 5000}}%
216 {\newfont{\chapterNumber}{pplr9d scaled 5000}}
```

Small caps sans serif.

```
217 \ifthenelse{\boolean{@minionprospacing}}%
218 {%
219     \DeclareRobustCommand{\spacedallcaps}[1]{\sffamily%
220     \textssc{\MakeTextUppercase{#1}}}%
221     \DeclareRobustCommand{\spacedlowsmallcaps}[1]%
222     {\sffamily\textssc{\MakeTextLowercase{#1}}}%
223 }{%
224     \ifthenelse{\boolean{@pdfspacing}}%
225     {%
226         \microtypesetup{expansion=false}%
227         \DeclareRobustCommand{\spacedallcaps}[1]%
228         {\sffamily\textls[160]{\MakeTextUppercase{#1}}}%
229         \DeclareRobustCommand{\spacedlowsmallcaps}[1]%
230         {\sffamily\textls[80]{\scshape\MakeTextLowercase{#1}}}%
231     }{%
232         \RequirePackage{soul}
233         \sodef\allcapsspacing{\sffamily\upshape}%
```

```
234      {0.15em}{0.65em}{0.6em}%
235      \sodef\lowsmallcapsspacing{\sffamily\scshape}%
236      {0.075em}{0.5em}{0.6em}%
237      \DeclareRobustCommand{\spacedallcaps}[1]%
238      {\MakeTextUppercase{\allcapsspacing{#1}}}%
239          \DeclareRobustCommand{\spacedlowsmallcaps}[1]%
240          {\MakeTextLowercase{\textsc%
241              {\lowsmallcapsspacing{#1}}}}%
242    }%
243  }
```

Semi-transparent headlines and page numbers in Iwona.

```
244  \renewcommand{\sectionmark}[1]{\markright{\textsc%
245  {\MakeTextLowercase{\thesection}} \spacedlowsmallcaps{#1}}}
246  \lehead{\mbox{\llap{\small\thepage\kern1em\color{halfgray}%
247  \vline}%
248  \color{halfgray}\hspace{0.5em}\headmark\hfil}}
249  \rohead{\mbox{\hfil{\color{halfgray}%
250  \headmark\hspace{0.5em}}%
251  \rlap{\small{\color{halfgray}\vline}\kern1em\thepage}}}
252  \renewcommand{\headfont}{\normalfont\sffamily}
253  \renewcommand{\pnumfont}{\small\sffamily}
```

Use of Iwona for the titles of sectioning units (chapters, sections, subsections, sub-subsections, paragraphs, subparagraphs) and for the labels of description lists.

```
254  \RequirePackage{titlesec}
255                  % parts
256                  \ifthenelse{\boolean{@parts}}%
257                  {%
258      \titleformat{\part}[display]
259          {\normalfont\centering\large}%
260          {\thispagestyle{empty}\partname~\thepart}{1em}%
261          {\color{Maroon}\spacedallcaps}
262      }{\relax}
263      % chapters
264      \ifthenelse{\boolean{@linedheaders}}%
265      {%
266      \titleformat{\chapter}[display]%
267          {\relax}{\raggedleft{\color{halfgray}%
268          \chapterNumber\thechapter} \\ }{0pt}%
269          {\titlerule\vspace*{.9\baselineskip}\raggedright%
270          \spacedallcaps}%
271          [\normalsize\vspace*{.8\baselineskip}\titlerule]%
272      }{%
273      \titleformat{\chapter}[block]%
274          {\normalfont\Large\sffamily}%
275          {{\color{halfgray}\chapterNumber\thechapter%
276          \hspace{10pt}\vline}  }{10pt}%
277          {\spacedallcaps}}
278      % sections
```

```
279    \titleformat{\section}
280         {\normalfont\Large\sffamily}{\textsc%
281         {\MakeTextLowercase{\thesection}}}%
282       {1em}{\spacedlowsmallcaps}
283    % subsections
284    \titleformat{\subsection}
285         {\normalfont\sffamily}{\textsc{\MakeTextLowercase%
286         {\thesubsection}}}{1em}{\normalsize}
287    % subsubsections
288    \titleformat{\subsubsection}
289         {\normalfont\sffamily\itshape}{\textsc%
290         {\MakeTextLowercase{\thesubsubsection}}}%
291         {1em}{\normalsize\itshape}
292    % paragraphs
293    \titleformat{\paragraph}[runin]
294         {\normalfont\normalsize\sffamily}{\textsc%
295         {\MakeTextLowercase{\theparagraph}}}%
296         {0pt}{\spacedlowsmallcaps}
297    % descriptionlabels
298    \renewcommand{\descriptionlabel}[1]{\hspace*{\labelsep}%
299    \bfseries\spacedlowsmallcaps{#1}}
300    \titlespacing*{\chapter}{0pt}{1\baselineskip}%
301    {2\baselineskip}
302    \titlespacing*{\section}{0pt}{2\baselineskip}%
303    {.8\baselineskip}[\marginparsep]
304    \titlespacing*{\subsection}{0pt}{1.5\baselineskip}%
305    {.8\baselineskip}[\marginparsep]
306    \titlespacing*{\paragraph}{0pt}{1\baselineskip}%
307    {1\baselineskip}
```

Itemize lists with semi-transparent labels.

```
308    \renewcommand\labelitemi{\color{halfgray}$\bullet$}
```

Settings of captions.

```
309    \captionsetup{format=hang,font=small,labelfont={sf,bf}}
310    \captionsetup[table]{skip=\medskipamount}
```

Symmetrical marginal notes.

```
311    \let\graffito\relax
312    \def\graffito@setup{%
313        \slshape\footnotesize%
314        \parindent=0pt \lineskip=0pt \lineskiplimit=0pt %
315        \tolerance=2000 \hyphenpenalty=300 \exhyphenpenalty=300
316        \doublehyphendemerits=100000
317        \finalhyphendemerits=\doublehyphendemerits}
318    \DeclareRobustCommand{\graffito}[1]{\marginpar
319     [\graffito@setup\raggedleft\hspace{0pt}{#1}]
320     {\graffito@setup\raggedright\hspace{0pt}{#1}}}
```

Space between the lines.

```
321    \linespread{1.00}
```

"Double square" text body (like in version 2.3 of ClassicThesis), for documents written in A4 format using Palatino font.

```
322 \ifthenelse{\boolean{@a5paper}}%
323 {\relax}%
324 {% A4
325   \ifthenelse{\boolean{@minionpro}}%
326   {\relax}%
327   {% Palatino or other
328     \PackageInfo{classicthesis}{A4 paper, Palatino or other}
329     \areaset[5mm]{312pt}{699pt}
330     % 624 + 33 head + 42 head \the\footskip
331     \setlength{\marginparwidth}{7em}%
332     \setlength{\marginparsep}{2em}%
333   }%
334 }
```

The \arsincludegraphics command is defined, which allows to include graphics with "Alice Blue" coloured background; it works like \includegraphics. This works, of course, only with graphics with a transparent background, such us PDF or some PNG files. In the previous versions of ArsClassica, \arsincludegraphics command was named \myincludegraphics: the old name is still manteined (for now), but deprecated.

```
335 \definecolor{aliceblue}{RGB}{240,248,255}
336
337 \let\ars@@includegraphics\includegraphics
338 \newcommand{\arsincludegraphics}[2][]{%
339   \begingroup\setlength{\fboxsep}{0pt}%
340     \colorbox{aliceblue}{\ars@@includegraphics[#1]{#2}}%
341   \endgroup}
342 \def\myincludegraphics{\PackageWarning{classiclatex}{%
343   The command \noexpand\myincludegraphics is
344   obsolete;\MessageBreak use \string\arsincludegraphics}%
345   \arsincludegraphics}
```

Settings of hyperref.

```
346 \hypersetup{%
347     colorlinks=true, linktocpage=true, pdfstartpage=3,
348     pdfstartview=FitV, breaklinks=true, pdfpagemode=UseNone,
349     pageanchor=true, pdfpagemode=UseOutlines,%
350     plainpages=false, bookmarksnumbered,
351     bookmarksopen=true,%
352     bookmarksopenlevel=1,%
353     hypertexnames=true, pdfhighlight=/O,%
354     urlcolor=webbrown, linkcolor=RoyalBlue,
355     citecolor=RoyalBlue,%
356     pagecolor=RoyalBlue,%
357     pdfsubject={},%
358     pdfkeywords={},%
359     pdfcreator={pdfLaTeX},%
360     pdfproducer={LaTeX con hyperref e ClassicThesis}%
```

```
361  }
362
363  \ifdefined\myTitle
364      \hypersetup{pdftitle={\myTitle}}
365  \else
366      \relax
367  \fi
368
369  \ifdefined\myName
370      \hypersetup{pdfauthor={\textcopyright\ \myName}}
371  \else
372      \relax
373  \fi
```

Definition of the commands \ctLaTeX, \ctLaTeXe e \ctTeX, which allow to reproduce respectively the LATEX, LATEX 2ε e TEX logos correctly written in Iwona.

```
374  \def\@ppljLaTeX{{\upshape
375      \sbox\z@{\check@mathfonts\fontsize\sf@size\z@%
376      \math@fontsfalse\selectfont A}%
377      \sbox\tw@ T%
378      L\kern-.55\wd\z@
379      \vbox to\ht\tw@{\copy\z@\vss}%
380      \kern-.25\wd0
381          \@ctTeX}}
382  \def\@ppljTeX{{\upshape T\kern -.08em \lower .3ex\hbox{E}%
383  \kern -.08em X}}
384
385  \def\@ppljscLaTeX{{\upshape\scshape
386      \sbox\z@{\check@mathfonts\fontsize\sf@size\z@%
387      \math@fontsfalse\selectfont a}%
388      \sbox\tw@ t%
389      l\kern-.6\wd\z@
390      \vbox to\ht\tw@{\copy\z@\vss}%
391      \kern-.25\wd0
392          \@ctTeX}}
393  \def\@ppljscTeX{{\upshape\scshape t\kern -.085em
394  \lower .25ex\hbox{e}\kern -.085em x}}
395
396  \def\@iwonaLaTeX{{\upshape
397      \sbox\z@{\check@mathfonts\fontsize\sf@size\z@%
398      \math@fontsfalse\selectfont A}%
399      \sbox\tw@ T%
400      L\kern-.5\wd\z@
401      \vbox to\ht\tw@{\copy\z@\vss}%
402      \kern-.2\wd0
403          \@ctTeX}}
404  \def\@iwonaTeX{{\upshape T\kern -.12em \lower .3ex\hbox{E}%
405      \kern -.12em X}}
406
407  \def\@iwonascLaTeX{{\upshape\scshape
408      \sbox\z@{\check@mathfonts\fontsize\sf@size\z@%
```

```
409    \math@fontsfalse%
410    \selectfont a}%
411    \sbox\tw@ t%
412    l\kern-.5\wd\z@
413    \vbox to\ht\tw@{\copy\z@\vss}%
414    \kern-.2\wd0
415        \@ctTeX}}
416 \def\@iwonascTeX{{\upshape\scshape t\kern -.1em
417    \lower .25ex\hbox{e}\kern -.1em x}}
418
419 \def\ct@sc{sc}
420 \def\@ctTeX{\csname @\f@family\ifx\f@shape\ct@sc sc%
421 \fi TeX\endcsname}
422
423 \DeclareRobustCommand\ctLaTeX{%
424    \texorpdfstring{\textls[1]{\csname @\f@family\ifx%
425    \f@shape\ct@sc sc\fi LaTeX\endcsname}}{LaTeX}}
426 \DeclareRobustCommand\ctLaTeXe{%
427    \texorpdfstring{\textls[1]{\ctLaTeX\csname @\ifx%
428    \f@shape\ct@sc sc\fi twoe\endcsname}}{LaTeX2e}}
429
430 \def\@twoe{\kern.1em$\m@th2_{\textstyle\varepsilon}$}
431 \def\@sctwoe{\kern.15em$\m@th{\scriptscriptstyle2}%
432 _\varepsilon$}
433
434 \DeclareRobustCommand\ctTeX{%
435    \texorpdfstring{\textls[1]{\csname @\f@family\f@shape TeX%
436    \endcsname}}{TeX}}
```

The following code allows to have, in the table of contents, the headlines in spaced small caps, even when the table of contents spreads over more than two pages (fixing a little bug of ClassicThesis).

```
437 \def\toc@headingbkORrp{%
438    \def\toc@heading{%
439       \chapter*{\contentsname}%
440       \@mkboth{\spacedlowsmallcaps{\contentsname}}
441          {\spacedlowsmallcaps{\contentsname}}}}
442 \@ifclassloaded{scrreprt}{\toc@headingbkORrp}{}
443 \@ifclassloaded{scrbook}{\toc@headingbkORrp}{}
```

BIBLIOGRAPHY

[1] BRINGHURST, R. (1992), *The Elements of Typographic Style*, Hartley & Marks, Point Roberts, Washington, USA. (Cited on page 3.)

[2] MIEDE, A. (2007), *A Classic Thesis style*, http://www.ctan.org/tex-archive/macros/latex/contrib/classicthesis/ClassicThesis.pdf. (Cited on page 1.)

[3] PANTIERI, L. (2008), *Introduzione allo stile ClassicThesis*, (in Italian), http://www.lorenzopantieri.net/LaTeX_files/ClassicThesis.pdf. (Cited on page 1.)

[4] PANTIERI, L. (2008), *L'arte di scrivere con LATEX*, (in Italian), http://www.lorenzopantieri.net/LaTeX_files/ArteLaTeX.pdf. (Cited on pages iii and 1.)

INDEX