The tocdata package

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© 2016–2024 Brian Dunn https://github.com/bdtc/tocdata

Optionally prints author, artist, or other data on a line of the TOC/LOF.

Abstract

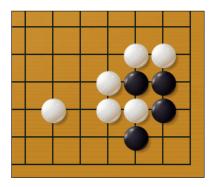
The tocdata package adds information such as an author or artist to an entry in the table of contents or list of figures or new float type. This new information is placed on a single line along with the caption and page number, as is commonly done in collections of literature, poetry, or art work.

tocdata works with the ${\tt TOC/LOF}$ formatting of the default ${\tt ETEX}$ classes, memoir, koma-script, and with titletoc, tocloft, tocbasic, and tocstyle.

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Hayashi Genbi

Problem 1-2, from Gokyo Shumyo

Figure 1: A Challenge

"Go uses the most elemental materials and concepts — line and circle, wood and stone, black and white — combining them with simple rules to generate subtle strategies and complex tactics that stagger the imagination."

Iwamoto Kaoru — former Honinbo title holder

Quotation 1: Go uses the most elemental materials and concepts...

1 Introduction

— Brian Dunn

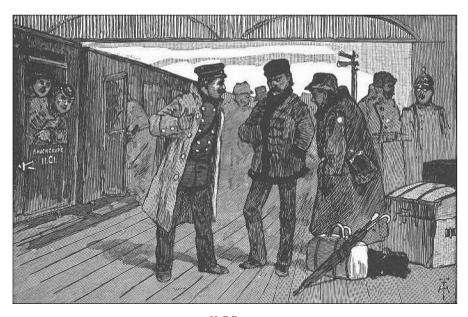
Anthologies may be printed with the author alongside each title in the table of contents. Many commonly-recommended methods for doing this with LATEX, such as those linked to in section 2, place the author above or below the title and page number, but seldom on the same line.

The tocdata package provides some basic infrastructure to help add some information to a line in the table of contents, after the title and just before the page number. This function works with the standard LaTeX classes, or with either of the titletoc or tocloft packages.

Additionally, user-level macros are provided which add the author's name to a chapter or section, and add the author's or artist's name and optional additional text to a figure. Author and artist names are also added to the index.

As examples of the use of these high-level macros, the major section headings of this documentation have the author's name applied, and additional figures, illustrations, and quotes are supplied as well. The results are demonstrated in the table of contents, list of figures, list of illustrations, list of quotes, and the index.¹

¹Yes, I *do* recognize the absurdity of placing my own name in the index amongst the likes of Churchill, Genbi, Herschel, Kaoru, Newton...



H. F. FARNY Illustration from *The Crazy Engineer* McGuffey's Fifth Eclectic Reader

Illustration 1: The Crazy Engineer

2 Other methods

— Various Authors

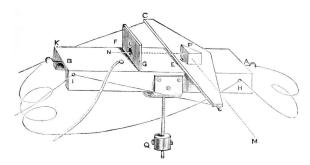
For other methods which place the author on a separate line from the title, see the following.

Note that these methods will be preferable if a larger amount of information is to be placed for each title, such that it usually would not all fit on one line in the table of contents.

http://tex.stackexchange.com/questions/ 47554/add-authors-name-automatically-while-building-toc

http://tex.stackexchange.com/questions/ 110218/add-author-before-chapter-title-in-toc

http://tex.stackexchange.com/questions/ 156862/displaying-author-for-each-chapter-in-book



SIR JOHN HERSCHEL, 1ST BARONET KH FRS

Astronometer made to compare the light of certain stars by the intervention of the moon.

Figure 2: Astronometer

3 How to use tocdata

— Brian Dunn

This section shows how to use the tocdata package.

There are several layers of macros:

- The lowest level provides the basic infrastructure for inserting information into the table of contents, along with hooks for the titletoc and tocloft packages.
- The intermediate-level macro is \tocdata, which may be used to manually add a piece of data to a \chapter, \section, or \caption. \tocdataformat is also provided to control the appearance of this data in the TOC/LOF.
- At the highest level is a sample implementation of user-level macros which
 provides an easy way to create chapters, sections, and figures with associated
 authors and artists, along with supplemental information for figures, and automatic index entries.

3.1 Basic setup

3.1.1 Preamble

tocdata may be used with either the tocloft or titletoc package, or neither.

In the preamble, use:

\usepackage{tocdata}
\usepackage{titletoc}% optional
\usepackage{tocloft}% optional

3.2 Mid-level applications

Should the user only wish to add a bit of text into the TOC/LOF, the \tocdata macro may be used just before the sectioning or caption command, as shown below.

3.2.1 Font control in the TOC/LOF

```
\tocdataformat
```

```
\{\langle text \rangle\}
```

To control the font and formatting used for the author on the table-of-contents line, the default is:

```
\newcommand{\tocdataformat}[1]{{\normalfont\textit{\small#1}}}
```

You may change to other font options, add parenetheses, etc.:

```
\renewcommand{\tocdataformat}[1]{%
   \normalfont\textsc{\footnotesize\qquad --- (#1)}%
}
```

3.2.2 Adding Toc data per section

```
\tocdata \{\langle list \ extension \rangle\} \{\langle text \rangle\}
```

Before each \chapter or \section which is to have an author or other data:

```
\tocdata{toc}{Author's Name}
\chapter{Chapter Title} -or- \section{Section Title}
```

3.2.3 Adding LoF data per figure

Before each \caption which is to have an artist or author:

```
\tocdata{lof}{Artist's/Author's Name}
\caption{Figure Title}
```

You may wish to print the artist's name in the figure as well.

3.3 High-level user macros

Additional macros are given in section 4.8. These are user-level sectioning and captioning commands which add the names to the ToC and LOF, and also add the artist's name and optional additional text to a figure or other float (as in Figure 2), and also

add the names to the index. An optional prefix and suffix may be attached to the names (as in Figure 2), and these will be printed at the section heading or caption, but not in the TOC/LOF or in the index.

These macros may be ignored or modified as needed.

3.3.1 Sectioning commands with authors

\partauthor
\chapterauthor
\sectionauthor
\subsectionauthor

To use these macros, do not use \tocdata as shown above, but instead use, in the place of \part:

\partauthor[list entry]{Title}[Prefix]{First}{Last}[Suffix]

Likewise for chapters, sections, and subsections.

3.3.2 Figure captions with author/artist names and additional text

\captionartist \captionauthor

For figures, in the place of \caption, use:

\captionartist[list entry]{Title}[Text][Prefix]{First}{Last}[Suffix]
 -or\captionauthor[list entry]{Title}[Text][Prefix]{First}{Last}[Suffix]

By default, \captionartist prints the artist centered below the figure, and \captionauthor prints the author below and flush right, without an extra vertical skip.

⚠ Optional arguments

If you are using the optional prefix, the optional text must also be given, even if it is empty. For example, use:

```
\captionartist{Title}[][Sir]{Isaac}{Newton}
```

(If only one optional argument is given before the first name, it will be interpreted as the optional text, not as the optional prefix.)

\captionartist*
\captionauthor*

If you are using the caption package or another package which supports \caption*, you may use \captionartist* and \captionauthor* with tocdata. The artist/author and supplemental text will still be printed below the figure, and an unnumbered caption will be generated, even though a LOF entry will not be made.

Should you mistakenly use \captionartist* or \captionauthor* without the caption package, expect to get a caption with a visible star in it. To fix the problem: \usepackage{caption}

3.3.3 Formatting in sections and figures

\tocdatapartprint
\tocdatachapterprint
\tocdatasectionprint
\tocdatasubsectionprint

To change the formatting of the author names printed after each chapter or section,

or to remove them entirely, use these macros, as described in section 4.8 on page 18.

\tocdatachapterprint and \tocdatasectionprint by default depend on \tocdatapartprint, so if it is redefined the others will have to be redefined as well.

\tocdataartistprint
\tocdataartisttextprint
\tocdataauthorprint
\tocdataauthortextprint

To change the formatting of a figure's artist's name or author's name and optional text, use these macros, also described in section 4.8.

3.3.4 Text justification

\tdartistjustify \tdartistcenter \tdartistleft \tdartistright \tdartisttextjustify \tdartisttextcenter \tdartisttextleft \tdartisttextright \tdauthorjustify \tdauthorcenter \tdauthorleft \tdauthorright \tdauthortextjustify \tdauthortextcenter \tdauthortextleft \tdauthortextright

The text alignment of artists, artists' additional text, authors, and authors' additional text may be set using these macros. All following figures use the selected justification until it is changed to another.

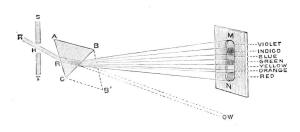


ALEXANDER POPE

Illustration from About Quail

McGuffey's Fifth Eclectic Reader

Illustration 2: Quail



SIR ISAAC NEWTON

Figure 3: Diagram of a Sunbeam

4 Code

- Brian Dunn

Below, the tocdata code section contains the low-level code used to place the data into the table of contents and list of figures, as well as the code to control the font used while doing so.

Next are sections used to support the default LaTeX classes, as well as titletoc and tocloft.

Finally, the high-level macros are provided. The user may ignore or redefine these as desired.

4.1 Requirements

```
1 \RequirePackage{xparse}
2 \RequirePackage{etoolbox}
3 \RequirePackage{xpatch}
```

Require that titletoc and tocloft be loaded after tocdata, so that tocdata can patch the LATEX core definitions first.

```
4\@ifpackageloaded{titletoc}{
      \PackageError{tocdata}
5
          {%
6
              Load titletoc after tocdata%
7
          }
8
          {%
          Move \protect\usepackage{titletoc} after \protect\usepackage{tocdata}.%
10
11
12 }{}
14 \@ifclassloaded{memoir}
15{}% memoir
16 {% not memoir
17
```

```
{\tt 18 \ensuremath{\coloft}} \{
      \PackageError{tocdata}
19
          {%
20
               Load tocloft after tocdata%
21
22
          }
          {%
23
          Move \protect\usepackage{tocloft} after \protect\usepackage{tocdata}.%
24
25
26 }{}
27
28}% not memoir
```

Prevent the use of both titletoc and tocloft.

```
29 \AtBeginDocument{
30 \@ifpackageloaded{titletoc}{
      \@ifpackageloaded{tocloft}{
31
32
          \PackageError{tocdata}
33
                   Both titletoc and tocloft are being used.\MessageBreak
34
                   Load only one%
35
               }
36
              {%
37
             The tocdata package may use the default LaTeX formatting, \MessageBreak
38
                   or either one of titletoc or tocloft.
39
               }
40
41
      }{}
42 }{}
43 }
```

4.2 tocdata code

\TD@thistocdata Storage for the data to be added to the end of the Toc entry:

\tocdatafont $\{\langle text \rangle\}$ Provided for compatibility with older documents. Instead, use and rededeprecated fine \tocdataformat for newer documents.

```
49 \newcommand{\tocdatafont}[1]{{\normalfont\textit{\small#1}}}
        \tocdataformat \{\langle text \rangle\}
                         Controls the font and formatting for the TOC data:
                               \renewcommand{\tocdataformat}[1]{\textit{#1}}
                          50 \def\tocdataformat{\tocdatafont}
        \TD@usetocdata To be inserted into low-level Toc-generation code where the data should appear.
                         See the example using titletoc, below.
                         Prints the data, then clears the storage so it is not printed again.
                          51 \newcommand{\TD@usetocdata}{%
                                 \footnote{TD@thistocdata}{}{%
                          53
                                     \tocdataformat{\TD@thistocdata}%
                          54
                                     \global\def\TD@thistocdata{}\%
                                 }%
                          55
                          56 }
  \TD@checktocdatafont \{\langle text \rangle\}
                         Used to detect whether the user redefined \tocdatafont, in which case a warning is
                         issued to use \tocdataformat instead.
                          57 \let\TD@checktocdatafont\tocdatafont
                          59 \AtBeginDocument{
                          60 \ \texttt{ifdefequal} \ \texttt{TD@checktocdatafont} \ \texttt{tocdatafont} \ \} \\ \{
                                 \PackageWarningNoLine{tocdata}{%
                                     You have redefined \protect\tocdatafont,\MessageBreak
                          62
                                     which \ has \ been \ deprecated. \ \ Please \ redefine \backslash Message Break
                          63
                                     \protect\tocdataformat\space instead}
                          64
                          65 }
                          66 }
                                Standard LATEX patches
                         4.3
\TD@patchstandardlatex Patches standard IATEX TOC formatting.
                          67 \newcommand*{\TD@patchstandardlatex}{
       \@dottedtocline Patched for tocdata.
```

68 \xpatchcmd{\@dottedtocline}

```
{\hfill\nobreak}
           69
                 {\hfill\TD@usetocdata\nobreak}
           70
                 {}%
           71
                 {%
           72
                      \PackageWarningNoLine{tocdata}{%
           73
           74
                         Could not patch LaTeX core \protect\@dottedtocline.\MessageBreak
                         Authors may not appear in TOC, LOF}
           75
           76
                 }%
  \1@part Patched for tocdata.
           77 \@ifclassloaded{memoir}{}{%
           78 \@ifpackageloaded{tocbasic}{}{%
           79\xpatchcmd{\l@part}
           80
                 {\hfil}
           81
                 {\hfil\TD@usetocdata}
           82
                 {}%
           83
                 {%
                      \PackageWarningNoLine{tocdata}{%
           84
           85
                         Could not patch LaTeX core \protect\l@part.\MessageBreak
           86
                         Authors may not appear in TOC parts}
           87
                 }%
           88 }}
\1@chapter Patched for tocdata.
           89 \@ifclassloaded{memoir}{}{%
           90 \@ifpackageloaded{tocbasic}{}{%
           91 \@ifundefined{chapter}{}{%
           92 \xpatchcmd{\l@chapter}
                 {\hfil\nobreak}
           93
           94
                 {\hfil\TD@usetocdata\nobreak}
           95
                 {}%
           96
                 {%
                      \PackageWarningNoLine{tocdata}{%
           97
                         98
                         Authors may not appear in TOC chapters}
           99
           100
                 }%
           101 }}}
\lesection Patched for tocdata.
           102 \@ifclassloaded{article}{
           103 \xpatchcmd{\l@section}
           104
                 {\hfil\nobreak}
                 {\hfil\TD@usetocdata\nobreak}
           105
           106
                 {}%
                 {%
           107
                     \PackageWarningNoLine{tocdata}{%
           108
                         Could not patch LaTeX core \protect\l@section.\MessageBreak
           109
                         Authors may not appear in TOC sections}
           110
           111
                 }%
```

π

GREEK ALPHABET

Figure 4: Pi

```
112 }{}
113 }% TD@patchstandardlatex
```

Patch standard LATEX if not using lwarp, or if lwarp is used in print mode:

```
114\@ifpackageloaded{lwarp}{%
115 \ifbool{warpingprint}{\TD@patchstandardlatex}{}%
116 }{%
117 \TD@patchstandardlatex%
118 }
```

4.4 titletoc support

If titletoc is loaded, patch macros for its use:

```
119 \AtBeginDocument{
120 \@ifpackageloaded{titletoc}{
```

\titlecontents

A set of titletoc commands which set up the formatting of the TOC entries. These are patched \AtBeginDocument, after user customizations in the preamble, to include the tocdata just after the leader (titlerule*), and just before the page number.

These macros also include spacing commands, and thus may need to be redefined by the user.

The default macros are patched via the LATEX core. The following are only necessary if \titlecontents was used. Since every combination is tried, but will only succeed if \titlecontents was used, no warnings are printed if the patch fails.

```
121 \newcommand*{\TD@titletoc@patch}[1]{%
       \expandafter\xpatchcmd\csname ttl@savel@#1\endcsname
122
123
           {\nobreak\hfil\nobreak}
           {\nobreak\hfil\TD@usetocdata\nobreak}
124
125
           {}
           {%
126
127
               \PackageWarningNoLine{tocdata}{%
128
                   Could not patch titletoc ttl@savel@#1.\MessageBreak
129
                   Authors may not appear in TOC, LOF}
           }
130
       \expandafter\xpatchcmd\csname 1@#1\endcsname
131
           {\contentspage}
132
           {\TD@usetocdata\contentspage}
133
134
           {}
```

```
{%
135
               \PackageWarningNoLine{tocdata}{%
136
                   Could not patch titletoc 1@#1.\MessageBreak
137
                   Authors may not appear in TOC, LOF}
138
           }
139
140 }
142 \TD@titletoc@patch{part}
143 \@ifundefined{chapter}{}\TD@titletoc@patch{chapter}}
144 \TD@titletoc@patch{section}
145 \TD@titletoc@patch{subsection}
146 \TD@titletoc@patch{subsubsection}
147 \TD@titletoc@patch{paragraph}
148 \TD@titletoc@patch{subparagraph}
149 \TD@titletoc@patch{figure}
150 \TD@titletoc@patch{table}
151 }% end of titletoc loaded
152 {% titletoc is not loaded
153 }% end of \@ifpackageloaded{titletoc}
154}% end of \AtBeginDocument
```

4.5 tocloft and memoir support

If tocloft is loaded, the following patches are applied. memoir emulates tocloft, so it is patched here as well.

```
155 \AtBeginDocument{
156 \@ifclassloaded{memoir}
158 \appto{\cftpartleader}{\TD@usetocdata}
159 \appto{\cftchapterleader}{\TD@usetocdata}
160 \appto{\cftsectionleader}{\TD@usetocdata}
161 \appto{\cftsubsectionleader}{\TD@usetocdata}
162 \appto{\cftsubsubsectionleader}{\TD@usetocdata}
163 \appto{\cftparagraphleader}{\TD@usetocdata}
164 \appto{\cftsubparagraphleader}{\TD@usetocdata}
165 \appto{\cftfigureleader}{\TD@usetocdata}
166 \appto{\cfttableleader}{\TD@usetocdata}
167 \appto{\cftsubfigureleader}{\TD@usetocdata}
168 \appto{\cftsubtableleader}{\TD@usetocdata}
169}% memoir
170 {% not memoir
171 \@ifpackageloaded{tocloft}
172 {
```

\cftXleader

A set of commands used by \tocloft to typeset the leader between the title and the page number. These are patched to print the tocdata just after the leader.

```
173 \appto{\cftpartleader}{\TD@usetocdata}
174 \if@cfthaschapter
175 \appto{\cftchapleader}{\TD@usetocdata}
176 \fi
```

```
177\appto{\cftsecleader}{\TD@usetocdata}
178\appto{\cftsubsecleader}{\TD@usetocdata}
179\appto{\cftsubsubsecleader}{\TD@usetocdata}
180\appto{\cftsubsubsecleader}{\TD@usetocdata}
181\appto{\cftsubparaleader}{\TD@usetocdata}
182\appto{\cftfigleader}{\TD@usetocdata}
183\appto{\cftsubfigleader}{\TD@usetocdata}
184\appto{\cftsubfigleader}{\TD@usetocdata}
185\appto{\cftsubfigleader}{\TD@usetocdata}
186}% end of tocloft patches
187{}% tocloft not loaded
188}% not memoir
189}% \AtBeginDocument
```

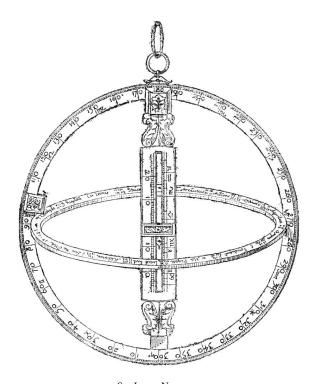
4.6 Koma-script tocbasic support

There is no easy way to patch this...\TD@usetocdata is inserted near the end of the following:

```
190 \AtBeginDocument{
192 \@ifpackageloaded{tocbasic}{
193 \xpatchcmd{\scr@dte@tocline}
       {%
194
195
           \nobreak
           \expandafter\let\expandafter\scr@dte@pagenumberwidth
196
197
       }
198
       {%
199
           \TD@usetocdata%
                                 tocdata
200
           \nobreak
           \expandafter\let\expandafter\scr@dte@pagenumberwidth
201
       }
202
       {}
203
204
           \PackageWarningNoLine{tocdata}{%
205
                Could not patch tocbasic \protect\scr@dte@tocline.\MessageBreak
206
207
                Authors may not appear in TOC, LOF}
208
209 }{}
210 }
```

4.7 tocstyle support

```
217
                                                                                                                                                           \mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$
218
                                                                                                             \else
219
                                                                                                                                   \tocstyle@feature@leaders
  220
  221
                                                                                                           \fi%
  222
                                                                                     }
  223
                                                                                     {%
                                                                                                           \ifx\tocstyle@feature@leaders\relax
    224
                                                                                                                                   \label{leadershbox{$\m@th$}} $$ \end{substitute} $$ \end{substit
  225
                                                                                                                                                           226
                                                                                                                                                           \mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$
  227
                                                                                                           \else
228
                                                                                                                                     \tocstyle@feature@leaders
  229
  230
                                                                                                             \TD@usetocdata%
  231
    232
                                                                                     }
                                                                                   {}%
    233
    234
                                                                                   {%
                                                                                                                                     \PackageWarningNoLine{tocdata}{%
  235
                                                                                                                                   236
                                                                                                                                                                                      Authors may not appear in TOC, LOF}
  237
                                                                                     }%
238
239 }{}
240 }
```



SIR ISAAC NEWTON

Figure 5: Sir Isaac Newton's Astrolabe

4.8 User-level macros

Example user-level macros follow.

These macros are in addition to the standard sectioning and caption commands, adding first and last names for the table of contents and list of figures. For parts, chapters, sections, and subsections, the author's name with optional prefix and suffix are also added below the title. For figures, \captionauthor also prints the figure's artist's name with optional prefix and suffix just below the figure.

The regular sectioning and caption commands may still be used for anything which does not have an author/artist name.

4.8.1 User customization

\TDoptionalnameprint $\{\langle name \rangle\}$

Adds optional artist's name and the following space.

```
{}%
                                244
                                         {#1~}%
                                245
                                246 }
        \tocdatapartprint \{\langle prefix \rangle\} \{\langle first \rangle\} \{\langle last \rangle\} \{\langle suffix \rangle\}
                                User-redefinable macro to print the author's name underneath the part title.
                                247 \newcommand{\tocdatapartprint}[4]
                                248 {%
                                249
                                          \par\noindent%
                                250
                                               \normalfont\normalsize%
                                251
                                252
                                               \textit{%
                                                    \hspace*{4em}--- %
                                253
                                                    \TDoptionalnameprint{#1}\TDoptionalnameprint{#2}#3#4%
                                254
                                               }%
                                255
                                         }%
                                256
                                257 }
    \label{eq:condition} $$ \condition{ $$ (prefix) $ {\langle first \rangle } {\langle last \rangle } {\langle suffix \rangle }$ }
                                User-redefinable macro to print the author's name underneath the chapter title.
                                258 \@ifundefined{chapter}
                                259{}% if no chapters
                                260 {% only of chapters exists in this documentclass:
                                         \let\tocdatachapterprint\tocdatapartprint
                                262}% end of chapters-only
    \t (\langle prefix \rangle) \{\langle first \rangle\} \{\langle last \rangle\} \{\langle suffix \rangle\}
                                User-redefinable macro to print the author's name underneath the section title.
                                263 \let\tocdatasectionprint\tocdatapartprint
\tocdatasubsectionprint \{\langle prefix \rangle\} \{\langle first \rangle\} \{\langle last \rangle\} \{\langle suffix \rangle\}
                                User-redefinable macro to print the author's name underneath the subsection title.
                                264 \let\tocdatasubsectionprint\tocdatapartprint
     \begin{tabular}{ll} $$ \TDartistauthorprint $$ \{\langle 1: "artist" or "author" \rangle \} $$ \{\langle 2: prefix \rangle \} $$ \{\langle 3: first \rangle \} $$ \{\langle 4: last \rangle \} $$ \{\langle 5: suffix \rangle \} $$ $$ $$
                                265 \newcommand{\TDartistauthorprint}[5]{%
                                         \begin{minipage}{\linewidth}%
                                266
                                         \csuse{TD@#1align}%
                                267
                                         \footnotesize\normalfont%
                                268
                                269
                                         \textsc{{\TDoptionalnameprint{#2}\TDoptionalnameprint{#3}#4#5}}%
                                270
                                         \end{minipage}%
```

```
\par%
                                271
                                         \addvspace{2ex}%
                                272
                                273 }
      \tocdataartistprint \{\langle prefix \rangle\} \{\langle first \rangle\} \{\langle last \rangle\} \{\langle suffix \rangle\}
                                User-redefinable macro to print the artist's name underneath the figure.
                                274 \newcommand{\tocdataartistprint}{%
                                         \par\smallskip%
                                275
                                         \TDartistauthorprint{artist}%
                                276
                                277 }
                                To remove the artist's name, redefine this as a null function taking four arguments:
                                      \renewcommand{\tocdataartistprint}[4]{}
      \tocdataauthorprint \{\langle prefix \rangle\} \{\langle first \rangle\} \{\langle last \rangle\} \{\langle suffix \rangle\}
                                User-redefinable macro to print the author's name underneath the figure.
                                278 \newcommand{\tocdataauthorprint}{%
                                         \par\smallskip%
                                279
                                         \TDartistauthorprint{author}%
                                280
                                281 }
\verb|\TDartistauthortextprint| \{ \langle \textit{"artist" or "author"} \rangle \} \{ \langle \textit{text} \rangle \}
                                282 \newcommand{\TDartistauthortextprint}[2]{%
                                         \addvspace{2ex}%
                                283
                                284
                                         \begin{minipage}{\linewidth}%
                                285
                                         \csuse{TD@#1textalign}%
                                286
                                         \footnotesize\normalfont%
                                         \left\{ \begin{array}{l} \left( 1.5ex \right) \end{array} \right\}
                                287
                                         \setlength{\parindent}{0em}%
                                288
                                         #2%
                                289
                                290
                                         \end{minipage}%
                                         \par%
                                291
                                         \addvspace{2ex}%
                                292
                                293 }
 \tocdataartisttextprint \{\langle text \rangle\}
                                User-redefinable macro to print the optional text below the artist's name.
                                294 \newcommand{\tocdataartisttextprint}{\TDartistauthortextprint{artist}}
 \tocdataauthortextprint \{\langle text \rangle\}
```

User-redefinable macro to print the optional text below the author's name.

295 \newcommand{\tocdataauthortextprint}{\TDartistauthortextprint{author}}

4.8.2 Chapters and sections

\part* With book or report classes, a starred \part's name is printed on its own page, making it difficult to add an author's name. If the author's name is appended to the part's name, it also appears in name references as well. Thus, if using one of these classes and a starred \part, the author's name is not printed. Using an unstarred \part with an author's name does work as expected. The author's name is printed as part of the long name, but does not appear in the name reference, which uses the short name.

\TD@starredsectionauthorprint $\{\langle author's name \rangle\}$

```
296 \@ifclassloaded{article}
297 {
298
      \newcommand*{\TD@starredsectionauthorprint}[5]{%
299
          \unskip\medskip\csuse{tocdata#1print}{#2}{#3}{#4}{#5}\par%
300
          \bigskip%
301
      }
302 }
303 {
304
      \newcommand*{\TD@starredsectionauthorprint}[5]{%
305
          \ifstrequal{#1}{part}%
306
          {%
307
              \PackageWarning{tocdata}{%
308
                  The author's name will not be printed for\MessageBreak
309
                  the starred \protect\part%
310
              }
311
          }%
          {%
312
              313
              \bigskip%
314
315
          }%
316
      }
317 }
```

 $\begin{tabular}{ll} $$ \TOE section author $\{\langle 1: section type \rangle\} * [\langle 3: toc entry \rangle] $\{\langle 4: title \rangle\} [\langle 5: prefix \rangle] $\{\langle 6: first \rangle\} $\{\langle 7: last \rangle\} [\langle 8: first \rangle] $\{\langle 6: first \rangle\} $\{\langle 7: last \rangle\} $\{\langle 6: first \rangle\} $\{\langle 7: last \rangle\} $\{\langle 6: first \rangle\} $\{\langle 7: last \rangle\} $\{\langle 6: first \rangle\} $\{\langle 6: fi$ suffix]

The starred version does not create a TOC entry, so it is simply used as-is:

```
\IfBooleanTF{#2}%
319
       {% star:
320
           \csuse{#1}*{#4}%
321
           \TD@starredsectionauthorprint{#1}{#5}{#6}{#7}{#8}%
322
323
       }%
```

The un-starred version appears in the TOC, so add the author's name:

```
324 {% no star:
325 \tocdata{toc}{#6 #7}%
```

Create the section depending on the optional name:

```
326 \IfValueTF{#3}%
327 {\csuse{#1}[#3]{#4\nopagebreak\csuse{tocdata#1print}{#5}{#6}{#7}{#8}}}%
328 {\csuse{#1}[#4]{#4\nopagebreak\csuse{tocdata#1print}{#5}{#6}{#7}{#8}}}%
329 }% no star
```

Create an index entry depending on whether there is a first name:

```
\ifblank{#6}%
                       330
                                     {\index{#7}}%
                       331
                                     {\index{#7, #6}}%
                       332
                       333 }
       \partauthor * [\langle 2: toc\ entry \rangle] {\langle 3: title \rangle} [\langle 4: prefix \rangle] {\langle 5: first \rangle} {\langle 6: last \rangle} [\langle 7: suffix \rangle]
                       334 \newcommand*{\partauthor}{\TD@sectionauthor{part}}
   335 \@ifundefined{chapter}
                       336{}% if no chapters
                       337 {% only of chapters exists in this documentclass:
                                \newcommand*{\chapterauthor}{\TD@sectionauthor{chapter}}
                       339 }
   \sectionauthor * [\langle 2: toc \ entry \rangle] \{\langle 3: title \rangle\} [\langle 4: prefix \rangle] \{\langle 5: first \rangle\} \{\langle 6: last \rangle\} [\langle 7: suffix \rangle]
                       340 \newcommand*{\sectionauthor}{\TD@sectionauthor{section}}
\subsectionauthor * [\langle 2: toc \ entry \rangle] {\langle 3: title \rangle} [\langle 4: prefix \rangle] {\langle 5: first \rangle} {\langle 6: last \rangle} [\langle 7: suffix \rangle]
                       341 \newcommand*{\subsectionauthor}{\TD@sectionauthor{subsection}}
```

4.8.3 Figure artist name alignment

\TD@artistalign Sets text alignment for the artist's name.

```
342 \mbox{ newcommand{\TD@artistalign}{\centering}}
```

\tdartistjustify Sets justified text alignment for the artist's name.

```
343 \newcommand{\tdartistjustify}{%
                        \renewcommand{\TD@artistalign}{}%
                 345 }
\tdartistcenter Sets centered text alignment for the artist's name.
                 346 \newcommand{\tdartistcenter}{%
                        \renewcommand{\TD@artistalign}{\centering}%
                 347
                 348 }
   \tdartistleft Sets left text alignment for the artist's name.
                 349 \newcommand{\tdartistleft}{%
                        \renewcommand{\TD@artistalign}{\raggedright}%
                 351 }
  \tdartistright Sets right text alignment for the artist's name.
                 352 \newcommand{\tdartistright}{%
                       \renewcommand{\TD@artistalign}{\raggedleft}%
                 353
                 354 }
                 4.8.4 Figure author name alignment
\TD@authoralign Sets text alignment for the author's name.
                 355 \mbox{ \newcommand{\TD@authoralign}{\raggedleft}}
\tdauthorjustify Sets justified text alignment for the author's name.
                 356 \newcommand{\tdauthorjustify}{%
                        \renewcommand{\TD@authoralign}{}%
                 357
                 358 }
 \tdauthorcenter Sets centered text alignment for the author's name.
                 359 \newcommand{\tdauthorcenter}{%
                 360
                        \renewcommand{\TD@authoralign}{\centering}%
                 361 }
   \tdauthorleft Sets left text alignment for the author's name.
                 362 \newcommand{\tdauthorleft}{%
                        364 }
```

```
\tdauthorright Sets right text alignment for the author's name.
```

```
365 \newcommand{\tdauthorright}{%
366 \renewcommand{\TD@authoralign}{\raggedleft}%
367}
```

4.8.5 Figure artist text alignment

\TD@artisttextalign Sets text alignment in the optional text.

```
368 \newcommand{\TD@artisttextalign}{\centering}
```

\tdartisttextjustify Sets justified text alignment in the optional text.

```
369 \newcommand{\tdartisttextjustify}{%
370 \renewcommand{\TD@artisttextalign}{}%
371}
```

\tdartisttextcenter Sets centered text alignment in the optional text.

```
372 \newcommand{\tdartisttextcenter}{%
373 \renewcommand{\TD@artisttextalign}{\centering}%
374 }
```

\tdartisttextleft Sets left text alignment in the optional text.

```
375 \newcommand{\tdartisttextleft}{%
376 \renewcommand{\TD@artisttextalign}{\raggedright}%
377 }
```

\tdartisttextright Sets right text alignment in the optional text.

```
378 \newcommand{\tdartisttextright}{%
379 \renewcommand{\TD@artisttextalign}{\raggedleft}%
380}
```

4.8.6 Figure author text alignment

\TD@authortextalign Sets text alignment in the optional text.

```
381 \newcommand{\TD@authortextalign}{\centering}
```

\tdauthortextjustify Sets justified text alignment in the optional text.

```
382\newcommand{\tdauthortextjustify}{%
383 \renewcommand{\TD@authortextalign}{}%
384}
```

\tdauthortextcenter Sets centered text alignment in the optional text.

```
385 \newcommand{\tdauthortextcenter}{%
       \renewcommand{\TD@authortextalign}{\centering}%
387 }
```

\tdauthortextleft Sets left text alignment in the optional text.

```
388 \newcommand{\tdauthortextleft}{%
       \renewcommand{\TD@authortextalign}{\raggedright}%
389
390 }
```

\tdauthortextright Sets right text alignment in the optional text.

```
391 \newcommand{\tdauthortextright}{%
       \renewcommand{\TD@authortextalign}{\raggedleft}%
392
393 }
```

Figure captions with artists and authors 4.8.7

These macros adds optional supplemental text, which will be printed below the artist's name and above the caption, presuming that the caption is generated below the figure.

Optional arguments

If using the optional prefix, the optional text must also be given, even if it is empty. For example, use:

```
\captionartist{Title}[][Sir]{Isaac}{Newton}
```

If only one optional argument is given before the first name, it will be interpreted as the optional text, not as the optional prefix.

```
\TD@captionartistauthor \{\langle 1: "artist" \ or "author" \rangle\} * [\langle 3: lofentry \rangle] * [\langle 4: title \rangle\} [\langle 5: supplemental \ text \rangle]
                                                [\langle 6: prefix \rangle] \{\langle 7: first \rangle\} \{\langle 8: last \rangle\} [\langle 9: suffix \rangle]
```

Factored from \captionartist and \captionauthor, below.

```
394 \NewDocumentCommand{\TD@captionartistauthor}{m s o m +0{} 0{} m m 0{}}{% o m +0{} o m +0
```

Print the artist's name next to the figure:

```
\csuse{tocdata#1print}{#6}{#7}{#8}{#9}%
395
```

If supplemental text is provided, print it below the author:

```
\ifblank{#5}%
396
397
           {}%
           {\par\csuse{tocdata#1textprint}{#5}}%
```

Remove any existing vertical space and only use \caption's built-in spacing:

```
399 \unskip%
```

If starred, there should be no τ oc entry, so do not add tocdata. Use \c option* from the caption or similar packages.

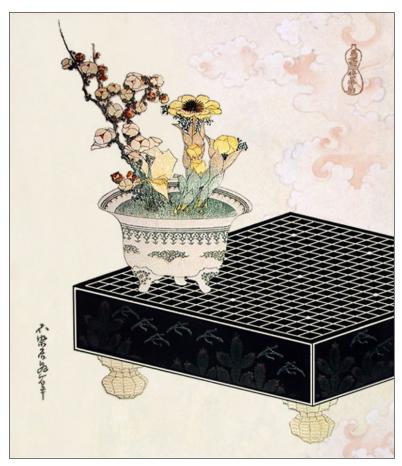
No starred, so remember the artist's name for inclusion in the LOF:

```
405 \tocdata{\csuse{ext@\@captype}}{#7 #8}%
```

Create the caption depending on the optional name:

Create an index entry depending on whether there is a first name:

```
\label{eq:captionartist} $$ \left(\frac{3: title}{3: title}\right) \left[\langle 4: supplemental \ text \rangle\right] \left[\langle 5: prefix \rangle\right] \left\{\langle 6: first \rangle\right\} \left[\langle 7: last \rangle\right] \left[\langle 8: suffix \rangle\right] $$ $$ \left(\frac{3: title}{3: title}\right) \left[\langle 4: supplemental \ text \rangle\right] \left[\langle 5: prefix \rangle\right] \left\{\langle 6: first \rangle\right\} \left[\langle 6: first \rangle\right] $$ $$ \left(\frac{3: title}{3: title}\right) \left[\langle 4: supplemental \ text \rangle\right] \left[\langle 5: prefix \rangle\right] \left\{\langle 6: first \rangle\right\} \left[\langle 7: last \rangle\right] \left[\langle 8: suffix \rangle\right] $$ $$ \left(\frac{3: title}{3: title}\right) \left[\langle 4: supplemental \ text \rangle\right] \left[\langle 5: prefix \rangle\right] \left\{\langle 6: first \rangle\right\} \left[\langle 7: last \rangle\right] \left[\langle 8: suffix \rangle\right] $$ $$ $$ $$ 413 \newcommand*{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionauthor}{\captionau
```



Katsushika Hokusai

From the series $\mathit{Uma}\,\mathit{Zukushi}.$

Illustration 3: Lacquer Go Board

Change History

v0.10	\subsectionauthor: Added 22
General: 2016/05/05 Initial ver 1	\TD@captionartistauthor: Added
v0.11	support for new float types 26
General: 2016/07/11 1	Factored
Minor docs improvements in	\TD@sectionauthor: Factored 21
spelling, grammar, formatting 1	Improved page breaks 21
v0.12	\TDartistauthorprint: Improved
General: 2016/12/02 1	font control 19
Added requirement for xifthen 10	\TDartistauthortextprint:
\TD@captionartistauthor: Allows	Improved font control 20
paragraphs in add'l text 25	Replaced \tocdatafigtextprint
Expands first name before index	with \tocdataartisttextprint
check	and \t ocdataauthortextprint. 20
\TD@sectionauthor: Expands first name before index check 21	\tocdataartistprint:Added 20
\TDartistauthortextprint: Added	\tocdataauthorprint: Added 20
text alignment 20	\tocdatachapterprint: Renamed
Improved spacing 20	from \tocdatachapprint 19
\tdartistjustify: etc. Added name	\tocdatapartprint: Added 19
alignment	\tocdatasectionprint: Renamed
\tdartisttextjustify: etc. Added	from \tocdatasecprint 19
text alignment 24	\tocdatasubsectionprint: Added. 19
\tdauthorjustify: etc. Added name	v2.01
alignment 23	General: 2019/03/15 1
\tdauthortextjustify: etc. Added	\1@section: Fix for LATEX core section
text alignment 24	тос entry
\tocdataartistprint: Added name	v2.02
alignment 20	General: 2019/03/21 1
Improved spacing 20	Docs: Fix macro names 9
\tocdatapartprint: Improved	\TD@sectionauthor: Fix: Sectioning
spacing	name formatting 21
v1.00	\tocdataartistprint:Improved
General: 2019/01/12	spacing 20
Improved source formatting 1	\tocdataauthorprint:Improved
Remove xifthen dependency 10	spacing 20
v2.00	v2.03
General: 2019/03/15	General: 2019/07/06 1
Added part and subsection macros. 1	Added support for memoir 10, 15
Added support for new float types.	Added support for tocbasic 16
Adds support for default LATEX TOC	Added support for tocstyle 16
formattting, without using titletoc	Fix: Don't try to patch lwarp 12
or tocloft	Tested to work with
Improved patches for titletoc 14	\dottedcontents 14
Improved patches for tocloft 15	\l@chapter: Added support for
Patches \AtBeginDocument 14, 15	koma-script 13
Replaced \tdnameX with	Added support for memoir 13
\tdauthorX and \tdartistX 22	\l@part: Added support for
Test for both titletoc and tocloft 11	koma-script 13
Test for early titletoc or tocloft 10	Added support for memoir 13
\partauthor: Added 22	\1@section: Fix: Only patch if article. 13

\TD@sectionauthor: Fix: Starred	\TDoptionalnameprint: Name
sectioning name formatting and	changed from
labels	\TD@optionalnameprint 18
\TD@starredsectionauthorprint: No author for \part* in book	\tocdatapartprint: Removed \unskip
class 21	v2.04
\TD@usetocdata: Fix: No action if empty data	General: 2020/07/15
\tocdatafont 12	v2.05
\TDartistauthorprint: Name changed from \TD@artistauthorprint 19	General: 2023/01/03
\TDartistauthortextprint: Name	v2.06
changed from	General: 2024/01/12 1
\TD@artistauthortextprint 20	Changed contact info 1

Index

Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

Symbols	K
\@dottedtocline $\underline{68}$	Kaoru, Iwamoto 4
A Alphabet, Greek	$\begin{array}{cccc} & & & L \\ lem:lem:lem:lem:lem:lem:lem:lem:lem:lem:$
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	Newton, Isaac
\chapterauthor	Pope, Alexander 9
D Dunn, Brian 4, 6, 10 F	\$ \sectionauthor
Farny, H. F 5	T
Genbi, Hayashi 4	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$
H Herschel, John 6	\TD@authortextalign
Hokusai, Katsushika	\TD@captionartistauthor $\underline{394}$ \TD@checktocdatafont $\underline{57}$

\TD@patchstandardlatex <u>67</u>	\tdauthorright
\TD@sectionauthor 318	\tdauthortextcenter 9, 38
\TD@starredsectionauthorprint <u>296</u>	\tdauthortextjustify 9, <u>382</u>
\TD@thistocdata <u>44</u>	\tdauthortextleft 9, 380
\TD@usetocdata	\tdauthortextright 9, 39
\TDartistauthorprint <u>265</u>	\TDoptionalnameprint 24
\TDartistauthortextprint <u>282</u>	\titlecontents 1
\tdartistcenter 9, <u>346</u>	\tocdata
\tdartistjustify 9, <u>343</u>	\tocdataartistprint 9, <u>27</u>
\tdartistleft 9, <u>349</u>	\tocdataartisttextprint 9, 294
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\tdartisttextcenter 9, <u>372</u>	\tocdataauthortextprint 9, 299
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\tdartisttextleft 9, <u>375</u>	\tocdatafont <u>4</u>
\tdartisttextright 9, 378	\tocdataformat
\tdauthorcenter 9, <u>359</u>	\tocdatapartprint 8, <u>24</u>
\tdauthorjustify 9, <u>356</u>	\tocdatasectionprint 8, <u>26</u>
\tdauthorleft 9.362	\tocdatasubsectionprint 8.26

"Now this is not the end. It is not even the beginning of the end. But it is, perhaps, the end of the beginning."

SIR WINSTON LEONARD SPENCER CHURCHILL

(Full name used for demonstration purposes.)

Quotation 2: Now this is not the end \dots



Figure 6: Omega