

dvdcoll.cls v0.6a*

A class for typesetting DVD archives

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Abstract

Having lost the overview of my DVD archives, I simply could not remember if I already recorded the documentary running on TV that day. I chose to recreate the index using L^AT_EX: the design aim was a hyperlinked and fully searchable PDF-document listing my DVDs with all titles, contents, lengths and so on. Further requirements were support for seasons¹ of tv series and a list with all faulty or missing programs for rerecording. The dvdcoll class supports all these requirements.

dvdcoll.cls follows the structure <number><title><length>. As a result, the class is not limited to DVDs – you can of course typeset archives of CD-ROMs, Audio-CDs and so on.

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¹fully useable just with a recent version of pdf viewers (full implementation of PDF v1.6 (e.g. Adobe Reader 7))

1 Simple Example

Take a first look to the structure of a file using `dvdcoll.cls`

```
\documentclass[pagenumbers=yes]{dvdcoll}

\usepackage[german]{babel}
\usepackage[latin1]{inputenc}
\usepackage[T1]{fontenc}
\usepackage{textcomp}
\usepackage{bera}

\begin{document}
\tableofcontents

\DVDPart{Fernsehserien}
\DVDSeries{Jake 2.0}

\begin{Dvd}{}{}
  \DVDTitle{Geburt eines Helden}{40:16}
  \DVDTitle{Erste Schritte}{39:45}
  \DVDTitle{Die China-Connection}{40:14}
  \DVDTitle{Die Waffen und das Mädchen}{38:29}
\end{Dvd}

\begin{Dvd}{}{}
  \DVDTitle{Die Akte Dumont}{38:50}
  \DVDTitle{Der Feind in meinem Körper}{39:52}
  \DVDTitle{Jerry 2.0}{39:53}
  \DVDTitle{Der Mittelsmann}{39:21}
\end{Dvd}
\end{document}
```

You will find a larger example (more details, commands, options, . . .) in `dcexample.<tex/pdf>`.

As you can see, `dvdcoll.cls` is quite easy to use!

2 Class options

The class options will be described with all possible values. The respective default value will be typeset bold.

2.1 `dvdlabel`

`dvdlabel` = $\langle \textbf{wide} \rangle$, $\langle \textit{narrow} \rangle$

By using the option $\langle \textit{wide} \rangle$, the given $\langle \textit{label} \rangle$ in the environment `Dvd` will be set on the right side of the table. $\langle \textit{narrow} \rangle$ will typeset $\langle \textit{label} \rangle$ in short distance after the title.

2.2 dvdskip

dvdskip = $\langle small \rangle$, $\langle \textbf{medium} \rangle$, $\langle big \rangle$

The option dvdskip will influence the vertical space after each table (environment Dvd). Just play around with the possible values.

2.3 language

language = $\langle \textbf{babel} \rangle$, any language

dvdcoll.cls is designed to deal with several languages. The following table will give an overview over the supported languages at the moment. Feel free to provide others.

languages	possible options ²
english	$\langle english \rangle$, $\langle USenglish \rangle$, ($\langle american \rangle$, $\langle canadian \rangle$), $\langle UKenglish \rangle$, ($\langle british \rangle$), $\langle australian \rangle$, ($\langle newzealand \rangle$)
french ³	$\langle french \rangle$, ($\langle frenchb \rangle$), ($\langle francais \rangle$), ($\langle acadian \rangle$), ($\langle canadien \rangle$)
german	$\langle german \rangle$, ($\langle germanb \rangle$), $\langle ngerman \rangle$, $\langle austrian \rangle$, $\langle naustrian \rangle$

The evaluation of the option language will follow these priorities:

1. explicit given value
2. evaluation of the option given to the package babel
3. using option $\langle english \rangle$ by default

So, if you don't specify any language, dvdcoll.cls will try to evaluate the option given to babel. If all that fails, the option $\langle english \rangle$ will be used!

2.4 pagenumbers

pagenumbers = $\langle \textbf{yes} \rangle$, $\langle no \rangle$

Of course, $\langle yes \rangle$ will lead to pages with numbers, where as $\langle no \rangle$ will give no pagenumbers.

2.5 heading

heading = $\langle \textbf{nonumber} \rangle$, $\langle number \rangle$

$\langle nonumber \rangle$ will give unnumbered headings, while $\langle number \rangle$ will give numbered headings.

Tip! If you want to produce a printversion, you should consider the combination of pagenumbers = $\langle no \rangle$ and heading = $\langle nonumber \rangle$. You just have to print the new pages and insert them into your paper mountain.

²At the moment there are no differences between these options. They are provided for compatibility with babel

³contributed by François Pétiard

3 Environments

3.1 Dvd

```
\begin{Dvd}{\langle title \rangle}{\langle label \rangle}  
...  
\end{Dvd}
```

Now we are at the central part of `dvdcoll.cls`. The environment `Dvd` is used to define the respective DVDs.

With the argument `{\langle title \rangle}` you can specify a title, but you don't have to do. If `{\langle title \rangle}` is left empty, `dvdcoll.cls` will create titles automatically by the series - specified by `\DvdSeries` (see: 4.1.2) - followed by a counter, which is reset by every new dvd series. There are some other commands you can use in `{\langle title \rangle}`, if you wish to have more influence in the process of setting the title automatically. (see: 4.2.4, 4.2.5 and 4.2.6)

`{\langle label \rangle}` can be used to setup the label you are using in your archives, e.g. DVD12. By default the label will be typeset bold enclosed by brackets⁴. You can change that by redefining `\dc@print@dvdlabel`.

Keep in mind that you can influence the typesetting with the class option `dvdlabel`. (see: 2.1)

4 Commands

4.1 Sectioning commands

The following commands can be used for structuring your archives.

4.1.1 \DvdPart

```
\DvdPart{\langle part \rangle}
```

You can split up your archives into different parts like tv series, documentaries and so on. You just have to use `\DvdPart`.

4.1.2 \DvdSeries

```
\DvdSeries  
[\langle dvdnumbering \rangle, \langle titlenumbering \rangle]  
{\langle series \rangle}
```

Additionally, you can specify a dvd series, e.g. Star Trek - The Next Generation. Keep in mind that `{\langle series \rangle}` can be used in automatic titling! (see: 3.1)

The optional arguments `[\langle dvdnumbering \rangle]` and `[\langle titlenumbering \rangle]` can both influence the style of numbering in `Dvd` and the `\DvdTitle` commands with the values `\normal` and `\season`. In the case of `\season`, the `Dvd` counter will be typeset e.g. 'J.A.G. 2.1', where as the titles will be typeset '01x15 Hemlock'. You can change the output format of the counters by redefining `\dc@print@counter`.

4.2 DVD title commands

4.2.1 \DvdTitle

```
\DvdTitle{\langle title \rangle}{\langle length \rangle}
```

`\DvdTitle` is used to specify the respective titles (`{\langle title \rangle}`) on your dvd (within environment `Dvd`).

⁴Of course, the brackets are not typeset, if no label is specified.

`{⟨length⟩}` is used to typeset the length (e.g. 43:12) and in general followed by the addition **min**. You can change that by using `\SetThirdColumnAddition`. (see: 4.4.2)

You can use the argument `{⟨length⟩}` to mark the title as faulty or missing. Additionally, the title will be included in the LFR (List of faulty recordings). (see: 4.4.3) All supported languages (see: 2.3) at the moment use the letter **F** as marker.

4.2.2 `\DvdTitleWithDescription`

`\DvdTitleWithDescription`
`{⟨title⟩}{⟨length⟩}` `\DvdTitleWithDescription` is equivalent to `\DvdTitle` apart from the fact, that `{⟨title⟩}` will have a link to a pdf annotation with a description of the recording. (see: 4.2.3)

4.2.3 `\Description`

`\Description{⟨description⟩}` You have to use `\Description` before `\DvdTitleWithDescription` (see: 4.2.2) to specify the `{⟨description⟩}`, which will be typeset into a pdf annotation.

4.2.4 `\AutoTitle`

`\AutoTitle` If you want to add an extra title to the automatically generated dvd titles in Dvd, you can use `\AutoTitle` in the argument `{⟨title⟩}` and simply add your extra title.

4.2.5 `\DvdCounter`

`\DvdCounter` `\DvdCounter` will provide the dvd counter with correct spacing, if you want to leave the process of automatic titles.

4.2.6 `\DvdSpace`

`\DvdSpace` `\DvdSpace` can be used to get the same space, that is used within the process of automatic titling. By default, it is set to **0.7em**. You can change that by using `\SetCounterSpace`. (see: 4.3.1)

4.3 Spaces, lengths, widths, . . .

4.3.1 `\SetCounterSpace`

`\SetCounterSpace`
`{⟨width⟩}` `\SetCounterSpace` can be used to change the standard space used within the process of automatic titling, which is by default set to **0.7em**.

4.3.2 `\SetTOCNumwidth`

`\SetTOCNumwidth`
`{⟨numwidth⟩}` `\SetTOCNumwidth` can be used to adjust the available place in the TOC (Table of Contents) for the numbers of the parts and series. By default, there is place for two digits. (see: `dcexample.<tex/pdf>`)

4.3.3 `\SetTOCSecIndent`

`\SetTOCSecIndent`
`{\indent}` With `\SetTOCSecIndent` you can set the indent of the respective dvds in the TOC.

4.3.4 `\SetLFRSecNumwidth`

`\SetLFRSecNumwidth`
`{\numwidth}` `\SetLFRSecNumwidth` can be used to adjust the width of the box for the numbers in the LFR. (see: 4.4.3 and `dcexample.<tex/pdf>`)

4.4 Misc. commands

4.4.1 `\SetSeason`

`\SetSeason[\seasontitle]{\season}` With `\SetSeason` one can specify the position of a title within a series, e.g. 01x15. The default value of `{\seasontitle}` is 1. Therefore you don't have to use it for just changing the season.

4.4.2 `\SetThirdColumnAddition`

`\SetThirdColumnAddition`
`{\addition}` As already mentioned, `\SetThirdColumnAddition` can be used to change the addition to the argument `{\length}` of the command `\DvdTitle`. By default, there will be typeset **min**.

4.4.3 `\listoffaultyrecordings`

`\listoffaultyrecordings` `\listoffaultyrecordings` will provide a list comparable to the Table of Contents, which contains the titles specified as faulty or missing in the command `\DvdTitle`.

4.4.4 `\SetLFRName`

`\SetLFRName{\lfrname}` If you are unhappy with the predefined LFR heading, you can use `\SetLFRName` to define your own.

4.4.5 `\pdfmarginnote`

`\pdfmarginnote[\style]{\note}` `\pdfmarginnote` will set a link to a pdf annotation into the margin. The default value of `[\style]` is 'Help'⁵

⁵possible values are: Comment, Key, Note, Help, Paragraph, NewParagraph, Insert (Ado04, ,page 586)

References

- [Ado04] Adobe Systems Incorporated: *PDF Reference fifth edition*. 2004. – URL: <http://partners.adobe.com/public/developer/en/pdf/PDFReference16.pdf>
- [Ado05] Adobe Systems Incorporated: *Acrobat JavaScript Scripting Reference*. 2005. – URL: <http://partners.adobe.com/public/developer/en/acrobat/sdk/pdf/javascript/AcroJS.pdf>
- [Adr05] Adriaens, Hendri: *The xkeyval package*. 2005. – TEXMF://doc/latex/xkeyval/xkeyval.pdf
- [Bra05] Braams, Johannes: *Babel, a multilingual package for use with L^AT_EX's standard document classes*. 2005. – TEXMF://doc/generic/babel/babel.pdf
- [Car99] Carlisle, David: *The file ltxdoc.dtx for use with L^AT_EX*. 1999. – TEXMF://doc/latex/base/ltxdoc.dvi
- [Car01] Carlisle, David: *The ifthen package*. 2001. – TEXMF://doc/latex/base/ifthen.dvi
- [Gün02] Günther, Karsten: *L^AT_EX Ge-packt*. 1. Auflage. mitp, 2002. – ISBN 3-8266-0785-6
- [Hei06] Heinz, Carsten: *The Listings Package*. 2006. – TEXMF://doc/latex/listings/listings-1.3.dvi
- [Ker05] Kern, Uwe: *Extending L^AT_EX's color facilities: the xcolor package*. 2005. – TEXMF://doc/latex/xcolor/xcolor.pdf
- [KM03] Kohm, Markus ; Morawski, Jens-Uwe: *Koma-Script*. 1. Auflage. Lehmanns Fachbuchhandlung, 2003. – ISBN 3-936427-45-3
- [MG05] Mittelbach, Frank ; Goossens, Michel: *Der L^AT_EX Begleiter*. 2., überarbeitete und erweiterte Auflage. Pearson Studium, 2005. – ISBN 3-8273-7166-X
- [NN04] Niedermair, Elke ; Niedermair, Michael: *L^AT_EX Praxisbuch*. Studienausgabe. Franzis, 2004 (Professional Series). – ISBN 3-7723-6109-9
- [Noi06] Noirel, Josselin: *The xifthen package*. 2006. – TEXMF://doc/latex/xifthen/xifthen.pdf
- [Oga01] Ogawa, Arthur: *Extensions to the ltxdoc class*. 2001. – TEXMF://doc/latex/revtex4/ltxdocext.pdf
- [RO04] Rahtz, Sebastian ; Oberdiek, Heiko: *Hypertext marks in L^AT_EX : a manual for hyperref*. 2004. – TEXMF://doc/latex/hyperref/manual.pdf

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