C_{urVe} – a $\operatorname{IAT}_{E} X 2_{\varepsilon}$ class package for making **Cur**ricula **V**itae.*

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Abstract

 $C_{ul} V_{\ell}$ provides a IAT_EX 2_{ε} class that hopefully will make your life easier when you want to write your CV. It provides you with a set of commands to create rubrics, entries in these rubrics etc. $C_{ul} V_{\ell}$ will then properly format your CV for you (possibly splitting it onto multiple pages), which is usually the most painful part of CV writing. Another nice feature of $C_{ul} V_{\ell}$ is its ability to manage different CV "flavors" simultaneously. It is in fact often the case that you want to maintain slightly divergent versions of your CV at the same time, in order to emphasize on different aspects of your background.

The $C_{ut}V_e$ package is Copyright © 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007 Didier Verna, and distributed under the terms of the LPPL license.

1 Getting $C_{ur}V_e$

 $C_{U}rV_{e}$ can be obtained from any CTAN archive, in the macros/latex/contrib subdirectory. You can also download it directly from my website (online documentation available there), at the URL above. Please follow the links on the left menu.

If you are a Debian unstable user (unstable referring to Debian, not you), unofficial source and i386 packages are available (thanks to Geoffroy Fouquier for providing this facility). The package name is curve. Here's the source.list entry to use:

```
deb http://www.lrde.epita.fr/debian/ unstable/i386/
deb-src http://www.lrde.epita.fr/debian/ sid/source/
```

For installation instructions, please read the **README** file included in the distribution.

2 Frequently Asked Questions

If this is your first time with $C_{u}rV_e$, you might want to skip this section. Otherwise, please read on, especially before asking me by email...

1. Is there a way to align entries across several (all) rubrics?

Not automatically because rubrics are typeset as individual tables. There are many ways to manually "trick" too narrow keys in order to enlarge them however. As of version 1.11, $C_{ur}V_e$ provides a new convenience macro to do something similar: see section 4.2.3.

2. How can I change the interline spacing?

Internally, $C_{ul} V_e$ uses IAT_EX tabular-based environments. As such, you can play with \arraystretch to modify the space between rows.

3. When a page break occurs in the middle of a rubric, the same alignment is kept on both pages, which might result in suboptimal layout.

This is a technical limitation of the automatic alignment computation process in longtables and I don't think there will be a solution anytime soon (page breaking is orthogonal to column width calculation). What you can do, once your CV is finalized, is manually split the concerned rubric into different ones, starting at the appropriate entries to avoid page breaking in the middle.

4. How can I make multi-line subrubrics?

Here are two ideas:

- Put your text in several consecutive subrubrics (one per line). However, this might not give you the desired vertical spacing.
- Probably better, put your material in a parbox:

\subrubric{\parbox{width}{first blah blah\\next blah blah}} This is a bit dirty because you have to figure out a suitable width for your parbox, but this will work.

5. How can I make multi-line keys?

The trick is to temporarily change the key cell type to a paragraph one (remember that we're in a tabular environment).

- (a) Recover the key formatting by doing something like this near the beginning of your document:
 - \makeatletter\let\mykeyfont\@keyfont\makeatother
- (b) Use something like this where you need a multi-line key (you will have to adjust the paragraph width manually):

```
\entry*[\multicolumn{1}{@{}>{\mykeyfont}p{2cm}}{%
    long key\newline long key}]
    Entry text. Entry text. Entry ...
```

6. How to deal with long keys?

The best thing to do is to make them multi-line manually. Please refer to the previous question.

7. Can I change the prefix locally?

Yes and no. The **\prefix** command can only be used in the preamble or between rubrics. Otherwise, there is currently no way to change the prefix for a single entry. This limitation will disappear in a future release.

3 Overview

The $C_{ur}V_e$ package provides you with a document class for writing curricula vitae. The primary purpose of this package is to offer a set of predefined commands to specify the contents of your CV, while removing from you the burden of formatting it. This has two important consequence however: $C_{ur}V_e$ will impose that you conform to its document structuring scheme, and will expect that you like the way it formats things :-). If you prefer another structure for your CV, or if you don't like the formatting (although it is highly configurable), then $C_{ur}V_e$ is probably not for you.

Once you have installed $C_{ur}V_{e}$, you might want to start with processing the example file cv.tex. This will give you an idea of what a non customized CV looks like with $C_{ur}V_{e}$. You can also throw an eye to my own CV, which is written with $C_{ur}V_{e}$ and has some more fancy hackery on top of it. It's in French, but only the appearance is important for you...My CV can be found at http://www.lrde.epita.fr/~didier/perso/cv.php.

3.1 Document Layout

A $C_{ur}V_e$ CV begins with two optional headers (upper left and upper right) in which you usually put your name, address, email, whether you're married and so on. These headers will respectively be left and right aligned. As of version 1.4, $C_{ur}V_e$ lets you insert a small identity photo in the headers, either on the left, on the right, or between them. After these headers come an optional title and/or subtitle, which can be centered on the page, or flushed either left or right.

3.1.1 Rubrics

The remaining of the document is composed of sections called "rubrics" in the $C_{ur}V_{e}$ terminology. A rubric represents a major topic that you want to detail in your CV. Typical rubrics are "Education", "Professional Experience" and the like. Rubrics have a title (centered by default) and appear under the form of properly aligned "entries" (see below). If a rubric has to be split across different pages, its title will be repeated automatically.

3.1.2 Entries

An entry is an item of information related to the rubric under which it appears. An entry has a "contents", and an optional "key" under which it is classified. For instance, under the "Education" rubric, you could state that you got a Ph.D. in computer science in the year 2000. In that case, the year would be the entry's key, and the "Ph.D. in computer science" part would be the entry's contents. $C_{u}rV_{e}$ aligns both keys and contents together. Keys are optional in order for you to classify several entries together (without repeating the same key over and over again).

3.1.3 Subrubrics

Additionally, you might want to further split your rubrics into "subrubrics". For instance, in my own CV, I have a "Professional Experience" rubric, with three

subrubrics: "Teaching", "Research" and "Development". This can be accomplished with a special command. Subrubrics are displayed in alignment with the entries' contents by default, but are formatted differently so that they remain distinguishable.

3.2 Document Structure

3.2.1 Source File Splitting

 C_{urVe} is based on the LTXtable package by David Carlisle. I won't go into gory details, but this has an important implication: each rubric must be in its own separate file. In other words, your CV's main source file is really a skeleton whose major task is to include the different rubrics from their respective source files.

This is not much of a hassle, really, and it actually made my life easier when I implemented the "flavor" mechanism described below.

3.2.2 The "flavor" Mechanism

It is often desirable to maintain several slightly divergent versions of one's CV at the same time. For instance, when I was looking for a job some time ago, I had a version of my CV emphasizing on Artificial Intelligence, and another emphasizing on Distributed Virtual Reality. Only the title and some entries in the "Professional Experience" rubric were a bit different; the main skeleton basically remained the same.

 $C_{u} V_{e}$ provides an easy-to-use mechanism for maintaining different "flavors" of your CV at the same time. You basically write different versions of (some of) your rubrics in different files, tell $C_{u} V_{e}$ which flavor you want to format ($C_{u} V_{e}$ can even ask you which one to use directly) and that's it. $C_{u} V_{e}$ will use the global skeleton, and whenever it finds a rubric file specialized for that particular flavor, it will use it. Otherwise, it will simply fall back to the default one (no particular flavor).

4 Using $C_{ur}V_{e}$

First of all, please note that the ltxtable and calc packages are required. If you're using the identity photo feature, the graphicx package is also needed. You don't have to load them explicitly though. As long as $\text{ETEX } 2_{\varepsilon}$ can locate them, they will be used automatically.

4.1 Writing the Skeleton File

Say \documentclass[$\langle options \rangle$]{curve} at the beginning of your skeleton file in order to use $C_{u}rV_{e}$. The available options are described along the text, where appropriate.

4.1.1 Making Headers

\leftheader The \leftheader and \rightheader macros take one mandatory argument which \rightheader defines respectively the contents of the upper left and upper right headers. They can be used in the document's preamble only. The headers will respectively be flushed to the left and to the right.

\photo

\photoscale

\photosep \headerscale If you want to insert a small identity photo into the header part, you can use the **\photo** macro (available since version 1.4). It takes a mandatory argument in which you pass the image file name, as you would to **\includegraphics**. This macro also takes an optional argument which lets you specify the horizontal position of the photo: the values can be 1 (the default), c or r meaning that the photo will appear on the left, center, or right.

The headers' horizontal layout is further controled by three additional macros. The \photoscale macro specifies the amount of text width that the photo should occupy. This should be a number between 0 and 1. By default, 0.1 is used (meaning 10% of \textwidth). The \photosep macro is a LATEX length that specifies the space to leave between the side of the photo and the next headers's text. This is used only when the photo is on the left or right. By default, 10pt is used. Finally, \headerscale specifies the proportion of the *remaining* space that the *left* textual header should occupy. It works like \photoscale and amounts to 0.5 by default.

Let me take an example to make this clearer. Suppose you have a **\photoscale** of 0.1 and a **\photosep** of 10pt. The *remaining* space, that is, the space occupied by the textual headers, amounts to 90% of the text width, minus 10 points. If you then specify a **\headerscale** of 0.6, then the left header will take 60% of that remaining space, and the right one the other 40%.

\headerspace \headerspace is the amount of extra vertical space to put after the headers. This is a LATEX length that defaults to 10pt.

\makeheaders

If you have defined headers, make them appear by calling \makeheaders just after the beginning of your document. Note that calling this macro assumes that you have previously defined both headers (possibly empty, though). Otherwise, an error will be signaled. As of version 1.4, the \makeheaders command accepts an optional argument that controls the vertical alignment. When given, this argument must be either t (for top), b (for bottom) or c (for center; the default).

4.1.2 Making Titles

\title The \title and \subtitle macros take one mandatory argument which define
\subtitle respectively your CV's title and subtitle. They can be used in the document's
preamble only.

By default, titles are centered on the page. However, you can also have them aligned to the left or right side of the page. To specify your preferred title alignment, call **\titlealignment** with an argument of either 1, c or r, the meaning of which should be obvious. You can also achieve the same effect by passing an optional argument to **\maketitle** (see below).

\titlespace is the amount of extra vertical space to put after the title(s). This is a LATEX length that defaults to Opt.

The \titlefont and \subtitlefont macros take one mandatory argument which redefine the fonts to use for the title and the subtitle. They can be used in the document's preamble only. By default, \Huge\bfseries and \Huge\itshape are used respectively.

If you have defined a title (and possibly a subtitle), make it (them) appear by calling \maketitle after the beginning of your document, and just after \makeheaders if you happen use it. It is possible to omit the subtitle, but if

\titlealignment

\titlespace

\titlefont \subtitlefont

\maketitle

you call \maketitle without having defined at least a title, an error will be signaled. \maketitle accepts an optional argument for specifying the title alignment scheme. This argument is the same as in **\titlealignment**, and takes precedence over it.

4.1.3Choosing a Flavor

As you already know, each rubric must reside in its own separate file. For instance, if you have a "Professional Experience" rubric, you would write its contents into a file named experience.tex. The flavor mechanism works by assigning a preextension to rubric file names. For instance, suppose you want to make a special flavor of your CV emphasizing on "distributed virtual reality". You would call this flavor "dvr", and write the modified "Professional Experience" rubric into a file named experience.dvr.tex.

\flavor

ask

The **\flavor** macro takes one mandatory argument which specifies the flavor to use (in our example, dvr). Although this might be of little use, it is possible to change the flavor anywhere, even right in the middle of your CV's skeleton.

Instead of using the flavor macro, you can make $C_{ur}V_e$ ask you at run-time which flavor to use by passing the ask option to it.

4.1.4 Including Rubrics

Apart from making headers and titles, the body of your skeleton file will usually contain nothing but directives to include the different rubrics of your CV.

\makerubric

To include a rubric in your document, use \makerubric. This macro takes one mandatory argument which specifies the rubric to include at that point. The argument actually corresponds to the rubric file name without any extension. Continuing our previous example, you would say \makerubric{experience}. First, $C_{\mu}r_{\ell}$ will try to find such a rubric file specific for the current flavor in use, (e.g. experience.dvr.tex). If that fails, it will fall back to a non-flavored file (here, experience.tex). This allows you to specialize only the required rubrics and use the default ones otherwise.

As of version 1.12, $C_{u}r_{e}$ provides a new LATEX length, \rubricafterspace controlling the amount of extra vertical space to put after a rubric (hence, before the next one). The default is Opt.

Writing a Rubric File 4.2

4.2.1The rubric Environment

The whole contents of a rubric file must be enclosed in a rubric environment. rubric This environment takes one mandatory argument which specifies the rubric's title. When a rubric crosses several pages, its title is restated with a "continuation" text appended.

As of version 1.6, the rubric titles horizontal alignment can be changed thanks to the **\rubricalignment** macro. Possible values for its mandatory argument are 1, c and r (meaning left, centered, or right relative to the whole text width), and cl and cc (meaning left or centered relative to the entries' contents). By default, rubric titles are centered (c).

The \rubricfont macro takes one mandatory argument which redefines the font to use for rubric titles. By default, \Large\bfseries is used.

\rubricafterspace

\rubricalignment

\rubricfont

\rubricspace \rubricspace is the amount of extra vertical space to put after the rubric title. This is a LATEX length that defaults to 10pt.

4.2.2 Making Rubric Entries

\entry You create entries in your rubrics by calling the **\entry** macro. The first (optional) argument specifies the key, and the second (mandatory) one specifies the contents. Both keys and contents are aligned within each rubric.

 $\label{eq:like} $$ \end{tausle} $$ Actually, the \entry macro was somewhat ill-designed at the first place. The rubric environment pretty much behaves as an itemize one, hence the idea of using an \item-like syntax. As of version 1.2, $$ CurVe$ provides an \entry* macro which behaves like \item in lists: it takes the same first optional argument as the non starred version, but has no other argument. The entry's contents simply consists of the text following the macro call, up to the next \entry, \entry* or \subrubric (see below) call. $$$

As of version 1.7, entries'keys horizontal alignment can be changed thanks to the $\ensuremath{\mbox{keyalignment}}$ macro. Possible values for its mandatory argument are 1, c and r (meaning left, centered, or right). By default, keys are left aligned (1).

The **keyfont** macro takes one mandatory argument which redefines the font to use for the entries' keys. By default, the standard document font is used.

Each entry's contents can be prefixed with a visual clue (a symbol for instance). This comes in handy to make a clear distinction between different entries sharing the same key (which is not repeated). The **\prefix** macro takes one mandatory argument which redefines the prefix to use. By default, **\textbullet** is used. Note that as of version 1.11, $C_{u}N_{e}$ forces the prefix to be empty in bibliographic entries (see section 4.3).

While maintaining your CV, you might end up reorganizing your entries and even get entries with the same key. Normally, $C_{ul}rV_e$ blindly prints the keys regardless of their values. If you don't want repetition, you would have to remove keys by hand which can be cumbersome. As of version 1.10, $C_{ul}rV_e$ can skip all but the first of a series of identical keys automatically, provided that you use the skipsamekey option. Note that as of version 1.11, $C_{ul}rV_e$ disables this mechanism in bibliography rubrics (see section 4.3).

4.2.3 Making "invisible" entries

The most frequently asked question about $C_{ur}V_e$ is probably whether it is possible to align entries across several rubrics. This is (currently) not possible automatically because rubrics are typeset as independent tables. However, a manual solution boils down to enlarging too narrow entries (keys, actually).

\noentry

\keyalignment

\keyfont

\prefix

skipsamekey

As of version 1.11, $C_{u} V_e$ provides a convenience macro to ease this process: \noentry. This macro takes one mandatory argument; a key that will be used in the entries alignment calculation. However, this command will not produce any text.

So if you want all your rubrics to share the same alignment, you typically spot the longest key in your CV, and issue a \noentry{this long key} in all other rubrics.

4.2.4 Making Subrubrics

\subrubric Within a single rubric, you can further separate entries into subrubrics. In order

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to do this, the \subrubric macro is provided. Its mandatory argument specifies the subrubric's title.

As of version 1.6, the subrubrics horizontal alignment can be changed thanks to the \subrubricalignment macro. Possible values for its mandatory argument are 1, c and r (meaning left, centered, or right relative to the whole text width), and cl and cc (meaning left or centered relative to the entries' contents). By default, subrubrics are left-aligned with the entries' contents (cl).

The \subrubricfont macro takes one mandatory argument which redefines the font to use for the subrubrics. By default, \Large\itshape is used.

\subrubricspace controls the amount of extra vertical space to put after subrubrics. This is a IAT_EX length that defaults to 5pt. \subrubricbeforespace controls the amount of extra vertical space to put *before* a subrubric when there are entries above. This is a IAT_EX length that defaults to 20pt.

4.3 Bibliography

Most scientists include their own list of publications in their CV, so $C_{ur}V_e$ has support for different forms of bibliography.

4.3.1 Manual bibliography

The first thing you can do is create your own bibliography manually (I mean, just like an ordinary rubric), and although this may appear boring, I actually encourage people to do so for at least three reasons (only my opinion of course):

- A CV should be strictly formatted and coherent in layout. Bibliography is no exception to this rule. In other words, it is prettier to have your publications formatted like the rest of your CV.
- Automatic bibliography generation tools produce references, which is silly in a CV because you don't actually reference your papers anywhere (or do you?). So better to sort them another way, like, by year of publication as I do in my own CV.
- Manually adding, like, what? Half a dozen papers a year in your CV is not that much of a burden after all.

4.3.2 The bibliography environment

Some people however have expressed the wish of having standard bibliography support in $C_{u'}V_e$. Version 1.2 provides that. The standard thebibliography environment is now supported along with its \bibitem companion. The behavior is actually that of a rubric environment with its \entry* companion (with an empty prefix however). This fact has two implications: firstly, the argument to the environment is unused in $C_{u'}V_e$ (but remains for compatibility with the rest of LATEX) because $C_{u'}V_e$ itself formats the keys and contents properly aligned. Secondly, the bibliographic environment **must** reside in its own file, as any other rubric. Don't forget that if you happen to write the environment manually.

As of version 1.14, it is possible to count bibliographic items in a reverse order, which comes in handy when you display your publications from the most recent to the oldest one. The **revbib** option triggers this behavior. Note that this also works when you use $BiBT_{\rm EX}$ (see below).

\subrubricalignment

\subrubricfont

\subrubricspace

revbib

4.3.3 BibT_FX

\nocite \bibliographystyle \bibliography

\nocite If you want to use $BiBT_EX$, that's also possible of course. Do it as you would do hystyle in a random paper. You will probably issue a **\nocite{*}** command followed by ography a call to **\bibliography**. In $C_{u}N_e$, this uses the bbl file as a rubric one.

4.3.4 Compatibility concerns

As of version 1.9, $C_{u}rV_{e}$ is compatible with the bibentry package. Note however that there is an incompatibility between bibentry and hyperref, and a workaround described in the hyperref README file.

As of version 1.12, $C_{u}rV_{e}$ is compatible with the multibbl package.

4.4 Standard Class Features

4.4.1 Page Size and layout

The a4, a5, b4, letter, legal and executive "paper" options allow you to select the type of page format you want. By default, letterpaper is used. The landscape options switches the horizontal and vertical settings. I'm not sure why I propose this option. Nobody wants to write a CV in landscape mode, right?

As of version 1.6, $C_{ul} V_{e}$ also supports the standard oneside and twoside class options. By default, oneside is used. In twoside mode, odd and even pages have a different geometry and headings layout.

e 4.4.2 Font Size

10pt The 10pt, 11pt and 12pt options let you choose the size of the default font you
11pt want to use. By default, 10pt is used.
12pt

4.4.3 Output Mode

final In draft mode, a black rule will be drawn at the end of overfull lines (as done draft by standard classes). Due to $C_{ur}V_{e}$ using the LTXtable package (and in case longtable prior to version 4 is used by it), a call to \setlongtables is performed in final mode. Please refer to the next section for more information on this. By default, final is used.

4.4.4 Page styles

As of version 1.6, $C_{ur}V_e$ supports the standard LATEX page style mechanism. Available styles are empty, plain, headings and myheadings. These styles have their usual meaning, given that rubric and subrubric names are used for marking purpose (the equivalent of chapters and sections in books for instance). By default, the page style is empty.

4.4.5 Internationalization

 $C_{ur}V_{e}$ currently supports 12 languages via the following options: english, french (or francais), spanish, portuguese (or portuges), brazilian (or brazil), italian, german, ngerman, dutch, danish, swedish and polish. The german and

a4paper a5paper b4paper letterpaper legalpaper executivepaper landscape oneside twoside ngerman options are currently equivalent; so are the portuguese and brazilian ones.

If you want a finer grain on the language-dependent parts of $C_{ur}V_{e}$, the following macros are provided.

The **\continuedname** macro takes one mandatory argument which redefines the continuation text output when rubrics extend across several pages. By default, " $\langle space \rangle$ (continued)" is used in English. Although this might be of little use, it is possible to change the continuation text in the middle of your document, provided that you do so outside the **rubric** environment.

\listpubname

\continuedname

The **\listpubname** macro takes one mandatory argument which redefines the title of the bibliographic section (when you use the provided bibliography support). By default, "List of Publications" is used in English. Note that for compatibility with the multibbl and multibib packages, $C_{ur}V_e$ honors the existence of **\bibname** or **\refname** macros prior to **\listpubname** for deciding which title to give to the bibliographic rubric.

5 Hints, Tricks, Tips

Here are some tips that I use for my own CV. You might find them of some interest.

5.1 Page Geometry

First of all, it is common to have very thin margins in curricula vitae. $C_{ur}V_e$ does not do anything special about this because I don't think that belongs to its duty. The geometry package comes in handy if you want to reduce your margins.

5.2 Vertical spacing

For readability, you might be tempted to leave empty lines here and there in your rubric environments. I advise you against this because this may (currently, at least) affect vertical spacing. It is better to stick entries and subrubrics together, and play with the spacing commands to achieve the desired layout.

5.3 The ltx Extension

Personally, I prefer to keep .tex for T_EX files, and use the ltx extension for LATEX. This is supported by $C_{u'}V_e$ which will actually prefer ltx files over tex ones, especially when including rubrics. To be more precise, suppose you are building a flavor flv of your CV. A call to \makerubric{foo} will try to use the following files in that order:

foo.flv.ltx
foo.flv.tex
foo.ltx
foo.tex

5.4 Longtable

 $C_{U}rV_{e}$ users should be aware of the fact that the layout implementation is based on the LTXtable package, which in turn is a mix of tabularx and longtable.

This has several implications, most notably that when writing a rubric, you are actually inside a tabular environment. Here are some things to keep in mind:

- You are not allowed to use the $\$ command to start a new line. However, you're free to use \par in your entries' contents instead. Note that $C_{ur}V_e$ sets \parskip to Opt so that starting a new paragraph looks like just starting a new line.
- You can use \raggedright and \raggedleft in your entries.
- You can use \pagebreak, \nopagebreak and \newpage at the beginning of a line, just before starting a new entry.
- Prior to version 4, longtable used an alignment mechanism involving calls to \setlongtables (see its documentation). *CurVe* retains this for backward compatibility and still calls \setlongtables in final (not draft) mode. If your version of longtable is recent enough, you shouldn't be concerned by this. If it is older, you might need to process your document a few times in draft mode, and then one last time in final mode. However, keep in mind that in both cases, you might still need up to 3 or 4 passes of LATEX on your document.

5.5 Managing Different Flavors

If you maintain different flavors of your CV at the same time, you probably want to rebuild all of them after any modification. Since you have a single skeleton file for all of them (say, cv.tex), the output file will have the same name for all flavors (say, cv.dvi). This can bother you if you want all flavors of your formatted CV available at the same time.

To remedy this problem, I usually use the **ask** option and a makefile to build the different flavors and move the output file to flavor-specific name. Here is a typical makefile target that should clarify (or maybe darken?) what I am saying:

```
cv.$(FLAVOR).dvi: cv.ltx $(RUBRICS)
echo $(FLAVOR) | latex cv.ltx
mv cv.dvi $@
```

As you can see, the shell is responsible for answering the question.

5.6 More On Flavors

In order to implement the flavor mechanism, the IAT_EX macro \input has been redefined to look for "flavored" files first. This is actually very nice because you can use it if you want to make different flavors of text that does not belong in rubrics.

For instance, suppose you want a special version of the subtitle of your CV for the flavor flv. Create a file called subtitle.flv.ltx and put something like "\subtitle{special subtitle}" in it. Do something similar for the default subtitle. Now go to the skeleton of your CV, and write \input{subtitle} in the preamble. That's it. You'll have different subtitles in your different CV flavors.

6 AUC-T_EX support

AUC-T_EX is a powerful major mode for editing T_EX documents in Emacs or XEmacs. In particular, it provides automatic completion of macro names once they are known. $C_{ur}V_e$ supports AUC-T_EX by providing a style file named curve.el which contains AUC-T_EX definitions for the relevant macros. This file should be installed to a location where AUC-T_EX can find it (usually in a subdirectory of your LAT_EX styles directory). Please refer to the AUC-T_EX documentation for more information on this.

As of version 1.2, $C_{ur}V_e$ has an improved AUC-T_EX support. Most notably, the command M-Ret will insert an \entry* macro within a rubric environment. Also, the \makerubric macro handling now removes both the file extension and the file flavor extension.

7 Changes

v1.14 Support for reverse counting bibliographic entries, suggested by Joseph Wright

Support for Polish thanks to Radek Dominiak
<radoslaw.dominiak@gmail.com>

- v1.13 Support for title alignment, suggested by Lars Kasper Support for footnotes, suggested by Alain Coletta Let rubrics honor the current \linewidth Changed default value of \subrubricbeforespace to 20pt Fix some overfull boxes, reported by Nico Schlölmer FAQ and documentation update
- v1.11 New FAQ section in the documentation New command \noentry to manually enlarge too narrow rubrics Make \pagebreak, \nopagebreak and \newpage work in rubrics, suggested by Alexandre Duret-Lutz Fix spurious right margin spaces Fix usage of the bib counter, disable skipsamekey and the prefix in bibliographic entries
- v1.10 Support automatic skipping of identical keys, suggested by Akim Demaille Fix alignment problem with empty prefix, reported by Jonas Haulin
- v1.9 Fix incompatibilities with the **bibentry** package, reported by Joris Desmet Fix standard bibliography support (broken in v1.8)

- v1.8 Prevent page breaks after subrubric headings
- v1.7 Support for key horizontal alignment \raggedleft and \raggedright can now be used within individual entries Fix typo in Danish version of \continuedname
- v1.6 Support for rubric and subrubric titles horizontal alignment Support for standard LATEX page style mechanism Support for oneside and twoside options Support for Portuguese thanks to Adiel Mittmann <adiel@inf.ufsc.br> Fix bug in \bibliography: protect against non existant files, reported by Andrew Comport Fix conflict with hyperref in some bibliography definitions
- v1.5 Support for Dutch thanks to Thomas Delaet <Thomas.Delaet@student.kuleuven.ac.be> Fix typo in rubric environment, reported by Torsten Liesk
- v1.4 Support for photo inclusion Support for headers horizontal scaling Optional argument to \makeheaders for vertical alignment, suggested by Dan Luecking
- v1.3 Support for Danish thanks to Kim Rud Bille <krbi01@control.auc.dk>

```
v1.2 Support for standard bibliography mechanism(s)
New macro \entry*
Improvements in AUC-TEX support
Support for German thanks to Harald Harders <h.harders@tu-bs.de>
Support for Spanish thanks to Agustín Martín <agusmba@terra.es>
```

v1.1 Support for Italian thanks to Riccardo Murri <murri@phc.unipi.it>

8 The Code

First, the class announcement and the initial requirements:

```
1 \NeedsTeXFormat{LaTeX2e}
2 \ProvidesClass{curve}[2007/11/27 v1.14
3 Curriculum Vitae class for LaTeX2e]
4
5 \RequirePackage{ltxtable}
6 \RequirePackage{ifthen}
7 \RequirePackage{calc}
8
```

8.1 The Rubric File

We don't want to output an extra subrubricbeforespace if no entry is present before the subrubric. This is done by using an \@beforespace command which is set to Opt at the beginning of each rubric, and switched to the proper value when an entry is added. The **@nextentry** command is used to implement **\entry*** while maintaining backward compatibility with **\entry** and **\subrubric**. A new entry or a subrubric might have to close the preceding entry if it was opened using the starred form. 9 \gdef\@nextentry{}

10

8.1.1 Entries

```
\keyfont
```

```
11 \def\@keyfont{}
                12 \newcommand\keyfont[1]{\gdef\@keyfont{#1}}
                13
\keyalignment
                14 \newcolumntype{k}{>{\@keyfont}1}
                15 \newcommand\keyalignment[1]{%
                    ifthenelse{=}{#1}{1}{}{%}
                16
                      ifthenelse{equal{#1}{r}}{%}
                17
                        ifthenelse{equal{#1}{c}}{%}
                18
                           \ClassError{curve}{Invalid key alignment}{%
                19
                20
                             You have called \protect\keyalignment\space with an invalid value.%
                             \MessageBreak
                21
                             Valid options include 1, c, and r.\MessageBreak
                22
                            Type X <return> to quit, fix the typo, and rerun LaTeX.}}}%
                23
                24
                    \newcolumntype{k}{>{\@keyfont}#1}}
                25
      \prefix
                26 \def\@prefix{\textbullet}
                27 \newcommand\prefix[1]{\gdef\@prefix{#1}}
                28
                As of version 1.10, C_{\mu} V_{\ell} can skip keys identical to the previous one, if the option
       \entry
                skipsamekey is used.
                29 \def\@maybekey#1{%
                    \det \mathbb{P}^{\pi} 
                30
                    \ifx\@previouskey\@newkey\gdef\@@key{}\else%
                31
                      \gdef\@@key{#1}\gdef\@previouskey{#1}%
                32
                    fi
                33
                34
                35 \def\@alwayskey#1{%
                36
                    gdef(@key{#1})
                37
                38 \let\@key\@alwayskey
                39 \DeclareOption{skipsamekey}{\let\@key\@maybekey}
                40
                41 newcommand @entry[2][]{%}
                    \gdef\@nextentry{}\@key{#1}%
                42
                    \egroup% end of \noalign opened in \entry.
                43
                    \@@key&\@prefix&#2\\\par}
                44
                45
                46 \newcommand\@sentry[1][]{%
                    \gdef\@nextentry{\\\par}\@key{#1}%
                47
                    \egroup% end of \noalign opened in \entry.
                48
```

```
\@@key&\@prefix&}
          49
          50
          51 \newcommand\entry{%
               \@nextentry
          52
               \noalign\bgroup\gdef\@beforespace{\subrubricbeforespace}%
          53
               \@ifstar{\@sentry}{\@entry}}
          54
          55
          This macro is a wrapper around \kill to manually adjust too narrow rubrics.
\noentrv
          56 \newcommand\noentry[1]{\@nextentry
               \noalign{\gdef\@nextentry{}}#1&&\kill}
          57
          58
```

8.1.2 Subrubrics

```
\subrubricfont
\subrubricbeforespace
                        59 \def\@subrubricfont{\Large\itshape}
      \subrubricspace
                        60 \newcommand\subrubricfont[1]{\gdef\@subrubricfont{#1}}
                        61
                        62 \newlength\subrubricbeforespace
                        63 \setlength\subrubricbeforespace{20pt}
                        64
                        65 \newlength\subrubricspace
                        66 \setlength\subrubricspace{5pt}
                        67
                        Note that \@subrubricmark is called outside the raisebox. That's because other-
 \subrubricalignment
                        wise, the mark would not go to the toplevel page vertical box, and TFX would not
           \subrubric
                        notice it.
                        68 \let\@subrubricmark\@gobble
                        69
                        70 \def\@@subrubric#1{%
                             \rule{0bp}{\@beforespace}
                        71
                             \{\ensuremath{\subrubricfont\#1}\}\
                        72
                             \@subrubricmark{#1}}
                        73
                        74
                        The normal intercolumn space between the prefix and the entry's content is re-
                        placed with an unbreakable space. This causes a problem (fixed in version 1.10)
                        with the [sub]rubric alignments cl and cc when the prefix is empty, because the
                        unbreakable space in question slightly shifts the entry's content to the right. If
                        we want a proper alignment, we then have to take this offset into account in the
                        cl and cc multicolumns, for both rubrics and subrubrics. The following macro
                        implements this:
                        75
                        76 \def\@clcccolsep{\hspace{\tabcolsep}\ifx\@prefix\@empty~\fi}
                        77
                        78 \def\@subrubric@l#1{\multicolumn{3}{@{}l@{}}{\@@subrubric{#1}}}
                        79 \def\@subrubric@c#1{\multicolumn{3}{@{}c@{}}{@{subrubric{#1}}}
```

```
80 \ensuremath{\mathbb{3}}{\mathbb{Q}}^{\mbox{\lines}}
```

```
\label{eq:linear} \$1 \def\@subrubric@cl#1{\&\multicolumn{2}{@{\clcccolsep}10{}}{\clcccolsep}10{}} \end{tabular} \label{eq:linear}
```

```
\label{eq:loss} \end{tabular} \end{tabular
```

```
84 \let\@subrubric\@subrubric@cl
```

83

```
85
86 \newcommand\subrubricalignment[1]{%
     \def\@curve@temp@a{\let\@subrubric}
87
     \expandafter\@curve@temp@a\csname @subrubric@#1\endcsname
88
     \@ifundefined{@subrubric}{%
89
       \ClassError{curve}{Invalid subrubric alignment}{%
90
         You have called \protect\subrubricalignment\space with an invalid value.%
91
         \MessageBreak
92
         Valid options include 1, c, r, cl and cc.\MessageBreak
93
         Type X <return> to quit, fix the typo, and rerun LaTeX.}}
94
95 }
96
97 \newcommand\subrubric[1]{%
     \@nextentry
98
     \noalign{\gdef\@nextentry{}}%
99
     \@subrubric{#1}\\*[\subrubricspace]\par}
100
101
```

8.1.3 Rubrics

The \Calmosttextwidth length remains only for backward compatibility. It is not used anymore.

```
\rubricspace 102 \newlength{\@almosttextwidth}
103 \AtBeginDocument{\setlength\@almosttextwidth{\textwidth-\hfuzz}}
104
105 \def\@rubricfont{\Large\bfseries}
106 \newcommand\rubricfont[1]{\gdef\@rubricfont{#1}}
107
108 \newlength\rubricspace
109 \setlength\rubricspace{10pt}
110
```

\rubricalignment

\rubricfont

```
111 \def\@@rubrichead#1{\@rubricfont#1}
112
113 \def\@rubrichead@l#1{\multicolumn{3}{0{}10{}}{\@rubrichead{#1}}}
114 \def\@rubrichead@c#1{\multicolumn{3}{0{}c0{}}(@rubrichead{#1}})
115 def\cubrichead@r#1{\multicolumn{3}{@{}r@{}}{\cubrichead{#1}}}
\label{eq:linear} 116 \def\cubrichead\cl#1{\cubrichead\cl#1}{\cubrichead\cl#1}{\cubrichead\cl#1}} \\
\label{eq:linear} 117 \def\cubrichead@cc#1{&\multicolumn}2{@(\cccolsep}cd{}}(\cccolsep)cd{}){\cccolsep}cd{} 117 \def\cubrichead{#1}}
118
119 \let\@rubrichead\@rubrichead@c
120
121 \newcommand\rubricalignment[1]{%
     \def\@curve@temp@a{\let\@rubrichead}
122
     \expandafter\@curve@temp@a\csname @rubrichead@#1\endcsname
123
     \@ifundefined{@rubrichead}{%
124
        \ClassError{curve}{Invalid rubric alignment}{%
125
126
          You have called \protect\rubricalignment\space with an invalid value.%
127
          \MessageBreak
128
          Valid options include 1, c, r, cl and cc.\MessageBreak
129
         Type X <return> to quit, fix the typo, and rerun LaTeX.}}
130 }
131
```

\rubricafterspace

```
132 \newlength\rubricafterspace
133 \setlength\rubricafterspace{0pt}
134
```

rubric Marking commands don't seem to work in longtable headings. So the rubric mark is issued just after it.

As of version 1.7, \raggedleft and \raggedright are redefined in order to work within individual entries. This redefinition simply consists in removing the \\ definition since it's not available anyway, and also to remove the \parskip setting since it's Opt in the whole class.

```
135 \let\@rubricmark\@gobble
```

136

```
137 \newenvironment{rubric}[1]{%
```

- 138 %% \begin{rubric}
- 139 $\def\raggedright{%}$

```
140 \@rightskip\@flushglue\rightskip\@rightskip\leftskip\z@skip}%
```

141 $\def\raggedleft{%}$

```
142 \rightskip\z@skip\leftskip\@flushglue\parfillskip\z@skip}%
```

- 143 \gdef\@beforespace{0pt}%
- 144 \gdef\@nextentry{}%
- 145 $\gdef\@previouskey{}%$
- 146 \global\let\old@newpage\newpage%
- 147 \global\let\old@pagebreak\pagebreak%
- $148 \verb|| global|let|old@nopagebreak|nopagebreak|$
- 149 $\begin{longtable}{@{kl@{~}X@{}}}$
- 150 $\ \fill \ \fill$
- 151 \endfirsthead
- 152 \@rubrichead{#1\@continuedname}*[\rubricspace]
- 153 \endhead
- 154 $\noalign{\mathcal{#1}}\$
- 155 \global\let\in@newpage\newpage%
- 156 \global\let\in@pagebreak\pagebreak%
- 157 \global\let\in@nopagebreak\nopagebreak%
 - \gdef\newpage{\@nextentry\noalign{\gdef\@nextentry{}}\in@newpage}
 - \gdef\pagebreak{\@nextentry\noalign{\gdef\@nextentry{}}\in@pagebreak}
- 160 \gdef\nopagebreak{\@nextentry\noalign{\gdef\@nextentry{}}\in@nopagebreak}}}{%
- 161 **%%** \end{rubric}
- 162 \@nextentry
- 163 \end{longtable}\par\vspace\rubricafterspace
- 164 \global\let\newpage\old@newpage%
- 165 \global\let\pagebreak\old@pagebreak%
- 166 \global\let\nopagebreak\old@nopagebreak}
- 167

158

159

\continuedname

168 \newcommand\continuedname[1]{\gdef\@continuedname{#1}}
169

8.2 The Skeleton File

8.2.1 Utilities

\today

```
170 \def\today{\ifcase\month\or
171 January\or February\or March\or April\or May\or June\or
172 July\or August\or September\or October\or November\or December\fi
173 \space\number\day, \number\year}
174
```

8.2.2 Headers

```
\headerscale
176 \newcommand\headerscale[1]{\gdef\header@scale{#1}}
            177 \@onlypreamble\headerscale
            178
            179 \newlength\headerspace
            180 \setlength\headerspace{10pt}
            181
            If the user calls \makeheaders without specifying headers first, an error will be
\leftheader
             generated. The same applies for the title (not the subtitle), but this is already
\rightheader
             managed by LATEX itself.
            182 \def\@leftheader{%
            183
                 \ClassError{curve}{No \protect\leftheader\space given}{%
                   You have called \protect\makeheaders, %
            184
                   but you didn't provide a left header.\MessageBreak
            185
            186
                   Type X <return> to quit, add a call to \protect\lefheader\space %
                   in the preamble of your CV,\MessageBreak
            187
                   and rerun LaTeX.}}
            188
            189 \newcommand\leftheader[1]{\gdef\@leftheader{#1}}
            190 \Conlypreamble\leftheader
            191
            192 \def\@rightheader{%
            193
                 \ClassError{curve}{No \protect\rightheader\space given}{%
                   You have called \protect\makeheaders, %
            194
                   but you didn't provide a right header.\MessageBreak
            195
            196
                   Type X <return> to quit, add a call to \protect\rightheader\space %
                   in the preamble of your CV,\MessageBreak
            197
                   and rerun LaTeX.}}
            198
            199 \newcommand\rightheader[1]{\gdef\@rightheader{#1}}
            200 \ conlypreamble rightheader
            201
\photoscale
  \photo 203 \newcommand\photoscale[1]{\gdef\photo@scale{#1}}
            204 \verb+\@onlypreamble+\photoscale
            205
            206 \newlength\photosep
            207 \setlength\photosep{10pt}
            208
            209 \newcommand\photo[2][1]{%}
                 \RequirePackage{graphicx}
            210
                 211
                   212
                     ifthenelse{equal{#1}{c}}{%}
            213
```

```
\ClassError{curve}{Invalid argument to \protect\photo}{%
             214
                           Argument 2 of \protect\photo must be 'l', 'r' or 'c'.}}}}%
             215
                   \def\tmp@cmd{\global\let\makeheaders@}
             216
                   \expandafter\tmp@cmd\csname makeheaders@#1\endcsname
             217
                   \gdef\photo@file{#2}}
             218
             219 \Conlypreamble\photo
             220
              These different versions of the photo inclusion command exist for proper alignment
\makeheaders
              of the picture itself with the left and right headers.
             221 \ \
             222
             223 \def\includephoto@t{%
             224
                   \raisebox{.7\baselineskip-\height}{%
             225
                     \includegraphics[width=\photo@width]{\photo@file}}}
             226
             227 \def\includephoto@c{%
                  \t< .5\
             228
                     \includegraphics[width=\photo@width]{\photo@file}}}
             229
             230
             231 \def\includephoto@b{\includegraphics[width=\photo@width]{\photo@file}}
             232
              And here are the different versions of the \makeheaders command:
             233 \ensuremath{leftheader@width}
             234 \label{eq:length} ightheader@width
             235
             236 \def\makeheaders@l#1{%
                   \setlength\photo@width{\photo@scale\textwidth}
             237
                   \setlength\leftheader@width{%
             238
             239
                     (\textwidth - \photo@width - \photosep) * \real{\header@scale}}
             240
                   \setlength\rightheader@width{%
                     \textwidth - \photo@width - \photosep - \leftheader@width}
             241
                   \parbox[#1]{\photo@width + \photosep}{\includephoto@\hspace\photosep}%
             242
                   \parbox[#1]{\leftheader@width}{\@leftheader}%
             243
             244
                   \parbox[#1]{\rightheader@width}{\raggedleft\@rightheader}}
             245
             246 \def\makeheaders@c#1{%
             247
                   \setlength\photo@width{\photo@scale\textwidth}
                   \setlength\leftheader@width{(\textwidth - \photo@width) * \real{.5}}
             248
                   \setlength\rightheader@width{\leftheader@width}
             249
             250
                   \parbox[#1]{\leftheader@width}{\@leftheader}%
             251
                   \parbox[#1]{\photo@width}{\includephoto@}%
                   \parbox[#1]{\rightheader@width}{\raggedleft\@rightheader}}
             252
             253
             254 \def\makeheaders@r#1{%
                  \setlength\photo@width{\photo@scale\textwidth}
             255
                  \setlength\leftheader@width{%
             256
                     (\textwidth - \photo@width - \photosep) * \real{\header@scale}}
             257
             258
                  \setlength\rightheader@width{%
             259
                    \textwidth - \photo@width - \photosep - \leftheader@width}
                   \parbox[#1]{\leftheader@width}{\@leftheader}%
             260
             261
                   \parbox[#1]{\rightheader@width}{\raggedleft\@rightheader}%
                   \parbox[#1]{\photo@width + \photosep}{\hspace\photosep\includephoto@}}
             262
             263
```

```
264 def makeheaders@#1{%}
    \setlength\leftheader@width{\header@scale\textwidth}%
265
    \setlength\rightheader@width{\textwidth - \leftheader@width}%
266
     \parbox[#1]{\leftheader@width}{\@leftheader}%
267
     \parbox[#1]{\rightheader@width}{\raggedleft\@rightheader}}
268
269
270 \newcommand\makeheaders[1][c]{%
    ifthenelse{\{ = \{ \#1 \} \} \} }
271
272
      273
        \ClassError{curve}{Invalid argument to \protect\makeheaders}{%
274
            Argument of \protect\makeheaders must be 't', 'b' or 'c'.}}}}%
275
    \def\tmp@cmd{\global\let\includephoto@}
276
     \expandafter\tmp@cmd\csname includephoto@#1\endcsname
277
     \mathbb{R}^{makeheaders0{\#1}}
278
279
     \par\vspace\headerspace}
280
```

8.2.3 Titles

\titlefont

```
\titlespace 281 \@onlypreamble\title
             282
             283 \def\@titlefont{\Huge\bfseries}
             284 \newcommand\titlefont[1]{\gdef\@titlefont{#1}}
             285 \ \Conlypreamble \titlefont
             286
             287 \newlength\titlespace
             288 \setlength\titlespace{0pt}
             289
  \subtitle
```

```
\verb+subtitlefont _{290} \verb+let+@subtitle+@undefined \\
                291 \newcommand\subtitle[1]{\gdef\@subtitle{#1}}
                292 \Conlypreamble\subtitle
                293
                294 \def\@subtitlefont{\huge\itshape}
                295 \newcommand\subtitlefont[1]{\gdef\@subtitlefont{#1}}
                296 \Conlypreamble\subtitlefont
                297
```

\titlealignment

```
298 \def\@titlealignment@l{\raggedright}
299 \def\@titlealignment@c{\centering}
300 \def\@titlealignment@r{\raggedleft}
301
302 \let\@title@lignment\@titlealignment@c
303
304 \def\@titlealignment#1#2{%
     \def\@curve@temp@a{\let\@title@lignment}
305
     \expandafter\@curve@temp@a\csname @titlealignment@#2\endcsname
306
     \@ifundefined{@title@lignment}{%
307
       \ClassError{curve}{Invalid title alignment}{%
308
309
         You have called \expandafter\string\csname#1\endcsname\space%
310
         with an invalid value.%
```

```
311 \MessageBreak
312 Valid options include l, c and r.\MessageBreak
313 Type X <return> to quit, fix the typo, and rerun LaTeX.}}
314 }
315
316 \newcommand\titlealignment[1]{\@titlealignment{titlealignment}{#1}}
317
318 \def\@@maketitle{%
```

```
\bgroup\trivlist\@title@lignment\item\relax
319
                                                  {\@titlefont\@title}
320
321
                                                \ifx\@subtitle\@undefined\else\\\@subtitlefont\@subtitle\fi
322 \endtrivlist\egroup
323
                               \vspace\titlespace}
324
325 \label{eq:linear} \end{tabular} 325 \end{tabular} \label{eq:linear} 325 \end{tabular} \end{tabular} \label{eq:linear} 325 \end{tabular} \end{tabular} \end{tabular} \label{eq:linear} \end{tabular} \end{tabua
326
327 \newcommand\maketitle{\@ifnextchar[%]
 328
                                  \@maketitle\@@maketitle}
 329
```

8.2.4 Rubric Inclusion

\flavor

\maketitle

```
330 \let\@flavor\empty
331 \newcommand\flavor[1]{\gdef\@flavor{#1}
    \ifx\@flavor\empty\else\edef\@flavor{.\@flavor}\fi}
332
333
334 \DeclareOption{ask}{%
     \typein[\@flavor]{Please specify a CV flavor (none by default):}
335
     \ifx\@flavor\empty\else\edef\@flavor{.\@flavor}\fi}
336
337
\input is redefined in order to deal with flavors and the ltx extension.
338 \def\@curveinput#1{%
    \IfFileExists{#1\@flavor.ltx}{\@iinput{#1\@flavor.ltx}}{%
339
       \IfFileExists{#1\@flavor.tex}{\@iinput{#1\@flavor.tex}}{%
340
         \IfFileExists{#1.ltx}{\@iinput{#1.ltx}}{%
341
342 \IfFileExists{#1.tex}{\@iinput{#1.tex}}{%
    \@iinput{#1}}}}
343
344
345 \renewcommand\input{\@ifnextchar\bgroup\@curveinput\@@input}
346
```

\makerubric

347 \newcommand\makerubric[1]{\LTXtable{\linewidth}{#1}}
348

8.2.5 Bibliography

```
349 \let\newblock\par
350 \newcounter{bibcount}
351 \newcounter{bibtotal}
352
```

```
353 \newif\ifcurve@revbib\curve@revbibfalse
               354 \DeclareOption{revbib}{\curve@revbibtrue}
               355
\bibliography
                Define \bibliography to issue a \makerubric call on the bbl file. As of version
                1.12, handle multibbl syntax if the package is loaded.
               356 \AtBeginDocument{
                    \@ifpackageloaded{multibbl}{
               357
                      %% multibbl version
               358
               359
                       \def\bibliography#1#2#3{%
                         \@ifundefined{#1@auxfile}{}{\expandafter\immediate%
               360
               361 \write\csname #1@auxfile\endcsname{\string\bibdata{#2}}}%
                         \def\bibname{#3}%
               362
               363
                        \def\refname{#3}%
                        \IfFileExists{#1.bbl}{\makerubric{#1.bbl}}{%
               364
               365 \typeout{No file #1.bbl.}}}
                    }{ %% standard version
               366
                      \def\bibliography#1{%
               367
                        \if@filesw
               368
               369 \immediate\write\@auxout{\string\bibdata{#1}}%
               370
                        \fi
                         \IfFileExists{\jobname.bbl}{\makerubric{\jobname.bbl}}{%
               371
               372 \typeout{No file \jobname.bbl.}}}
               373
                    }
               374 }
               375
     \bibitem
               Redefine \bibitem and its internal implementation to behave like \entry.
                   Do this late to overwrite a possible hyperref redefinition back again (it is ar-
                guable whether we should preserve hyperref functionality or not, but the current
                answer is no).
                   One exception: if bibentry is used, don't get in the way. It redefines its own
                bibliographic environment and stuff.
               376 \AtBeginDocument{
                    \@ifpackageloaded{bibentry}{}{
               377
                       \def\@lbibitem[#1]#2{\@sentry[\@biblabel{#1}]%
               378
                         \if@filesw{%
               379
               380 \let\protect\noexpand%
               381 \immediate\write\@auxout{\string\bibcite{#2}{#1}}}
               382
                         \fi%
               383
                         \ignorespaces}
               384
                       \def\@bibitem#1{\stepcounter{bibcount}%
                         \@sentry[\@biblabel{\ifcurve@revbib\thebibtotal\else\thebibcount\fi}]%
               385
                        \ifcurve@revbib\addtocounter{bibtotal}{-1}\fi%
               386
                         \if@filesw%
               387
               388 \immediate\write\@auxout{\string\bibcite{#1}{\thebibcount}}%
                         \fi%
               389
                         \ignorespaces}
               390
               391
                       \renewcommand\bibitem{%
                        %% #### FIXME: Dirty code duplication from \entry
               392
               393
                         \@nextentrv
                         \noalign\bgroup\gdef\@beforespace{\subrubricbeforespace}%
               394
                         \@ifnextchar[%]
               395
                         \@lbibitem\@bibitem}
               396
```

```
397 }
```

```
398 }
                 399
                 400 \AtEndDocument{%
                      \if@filesw%
                 401
                        \immediate\write\@auxout{\string\setcounter{bibtotal}{\thebibcount}}%
                 402
                 403
                      \fi}
                 404
   \listpubname
                 405 \newcommand\listpubname[1]{\gdef\@listpubname{#1}}
                 406
thebibliography
                  Note that bibentry overrides this definition.
                 407 \newenvironment{thebibliography}[1]{%
                  Disable the skipsamekey mechanism and the prefix which would get in the way.
                      \let\@key\@alwayskey
                 408
                      \def\@prefix{}
                 409
                  For compatibility with bibliographic packages such as multibib, the bibliography
                  title is set (by order of priority) to either \bibname, \refname or \@listpubname.
                      \begin{rubric}{\@ifundefined{bibname}{%
                 410
                 411 \@ifundefined{refname}{\@listpubname}{\refname}}{%
                 412 \bibname}
                     }{%
                 413
                 414
                      \end{rubric}
                 415 }
                 416
                  8.3
                        Language Processing
                 417 \DeclareOption{english}{%
                      \continuedname{~(continued)}
                 418
                      \listpubname{List of Publications}}
                 419
                 420 \DeclareOption{french}{%
                      \continuedname{~(suite)}
                 421
                 422
                      \listpubname{Liste des Publications}}
                 423 \DeclareOption{francais}{%
                      \ExecuteOptions{french}}
                 424
                 425 \DeclareOption{spanish}{%
                 426
                      \continuedname{~(contin\'ua)}
                 427
                      \listpubname{Lista de Publicaciones}}
                 428 \DeclareOption{portuges}{%
                      \continuedname{~(continua\c c\~ao)}
                 429
                      \listpubname{Publica\c c\~oes}}
                 430
                 431 \DeclareOption{portuguese}{%
                      \ExecuteOptions{portuges}}
                 432
                 433 \DeclareOption{brazil}{%
                      \ExecuteOptions{portuges}}
                 434
                 435 \DeclareOption{brazilian}{%
                      \ExecuteOptions{portuges}}
                 436
                 437 \DeclareOption{italian}{%
                 438
                      \continuedname{~(continua)}
                      \listpubname{Pubblicazioni}}
                 439
                 440 \DeclareOption{german}{%
                      \continuedname{~(fortgesetzt)}
                 441
                 442
                      \listpubname{Verzeichnis der Ver\"offentlichungen}}
```

```
443 \DeclareOption{ngerman}{%
```

```
\ExecuteOptions{german}}
444
445 \DeclareOption{dutch}{%
     \continuedname{~(vervolg)}
446
     \listpubname{Publicaties}}
447
448 \DeclareOption{danish}{%
     \continuedname{~(fortsat)}
449
     \listpubname{Udgivelser}}
450
451 \DeclareOption{swedish}{%
452 \continuedname{~(forts.)}
    \listpubname{Publikationer}}
453
454 \DeclareOption{polish}{
     \continuedname{~(kontynuacja)}
455
     \listpubname{Publikacje}}
456
457
```

8.4 Standard Class Processing

```
458 \DeclareOption{a4paper}{
     \setlength\paperheight{297mm}
459
     \setlength\paperwidth{210mm}}
460
461 \DeclareOption{a5paper}{
462
     \setlength\paperheight{210mm}
463
     \setlength\paperwidth{148mm}}
464 \DeclareOption{b5paper}{
     \setlength\paperheight{250mm}
465
     \setlength\paperwidth{176mm}}
466
467 \DeclareOption{letterpaper}{
     \setlength\paperheight{11in}
468
     \setlength\paperwidth{8.5in}}
469
470 \DeclareOption{legalpaper}{
     \setlength\paperheight{14in}
471
     \setlength\paperwidth{8.5in}}
472
473 \DeclareOption{executivepaper}{
     \setlength\paperheight{10.5in}
474
     \setlength\paperwidth{7.25in}}
475
476 \DeclareOption{landscape}{
     \setlength\@tempdima{\paperheight}
477
     \setlength\paperheight{\paperwidth}
478
     \setlength\paperwidth{\@tempdima}}
479
480
481 \DeclareOption{10pt}{\def\@ptsize{0}}
482 \DeclareOption{11pt}{\def\@ptsize{1}}
483 \DeclareOption{12pt}{\def\@ptsize{2}}
484
485 \DeclareOption{oneside}{\@twosidefalse\@mparswitchfalse}
486 \DeclareOption{twoside}{\@twosidetrue\@mparswitchtrue}
487
488 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
489 \DeclareOption{final}{%
     \setlength\overfullrule{0pt}
490
     \setlongtables}
491
492
493 \ExecuteOptions{english,letterpaper,10pt,oneside,final}
494 \ProcessOptions
495
```

```
496 \input{size1\@ptsize.clo}
497 \setlength\parindent{0pt}
498 \setlength\parskip{0pt}
499 \setlength\tabcolsep{10pt}
500 \setlength\arrayrulewidth{.4\p0}
501 \raggedbottom
502 \onecolumn
503 \pagestyle{empty}
504 \pagenumbering{arabic}
505
506 \mbox{mand}\mbox{makefntext[1]}\noindent\b0xt01em{\hss\mbox{makefnmark}#1}
507
508 \if@twoside
    \def\ps@headings{%
509
       \let\@oddfoot\@empty\let\@evenfoot\@empty
510
       \def\@evenhead{\thepage\hfil\slshape\leftmark}%
511
       \def\@oddhead{{\slshape\rightmark}\hfil\thepage}%
512
513
       \let\@mkboth\markboth
514
       \def\@rubricmark##1{\markboth{\MakeUppercase{##1}}{}%
       \def\@subrubricmark##1{\markright{##1}}%
515
   }
516
517 \else
    \def\ps@headings{%
518
       \let\@oddfoot\@empty
519
520
       \def\@oddhead{{\slshape\rightmark}\hfil\thepage}%
521
       \let\@mkboth\markboth
522
       \def\@rubricmark##1{\markright{\MakeUppercase{##1}}}%
523 }
524 \fi
525 \def\ps@myheadings{%
526 \let\@oddfoot\@empty\let\@evenfoot\@empty
    \def\@evenhead{\thepage\hfil\slshape\leftmark}%
527
    \def\@oddhead{{\slshape\rightmark}\hfil\thepage}%
528
     \let\@mkboth\@gobbletwo
529
    \let\@rubricmark\@gobble
530
531
     \let\@subrubricmark\@gobble
532 }
533
```

Well, I think that's it. Enjoy using $C_{ur}V_{e}!$

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