stmbibliography package description

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This package offers some default preferences for the display of bibliographies. It is build upon the biblatex package [1].

Contents

1. Usage - in the preamble

1.1. Load the whole `stmbibliography` package

1.1.1. Description

This is an interface package which loads the base package and the style choice.

1.1.2. Options

Option *style*   This is a string option. A list of possible values is shown in section 3.

```
\usepackage[style=stmdefault]{stmbibliographystyles}
```

   `style=stmdefault` is the default. It is used in case no other style is set explicitly.

2. Usage - in the document

To assure that the bibliography is added to the table of contents for all base classes, use `\printbibliography[heading=bibintoc]` instead of a simple `\printbibliography`.

3. Styles

There are different predefined styles available to format your hypertext.

3.1. `default`

This loads the default style from the underlying base package and does not apply individual styles.

3.2. `stmdefault`

This loads the default preferences for STMLATEX based documents.

References

[1]   Philip Kime, Moritz Wemheuer, and Philipp Lehman. *The biblatex Package*. 3.14 2019-12-01. 2019. URL: https://ctan.org/pkg/biblatex.

Index

A. The code

A.1. stmbibliography.sty

```
 1  %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
 2  % Header                           %
 3  %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
 4  %
 5  % This file includes hyperref setup
 6  % Based upon the biblatex package:
 7  %   https://ctan.org/pkg/biblatex
 8  %
 9  % Usage
10  %  - Preamble:
11  %    - \usepackage{stmbibliography}
12  %
13  % Revisions: 2019-10-27 Martin Raedel <martin.raedel@dlr.de>
14  %                       Initial draft
15  %
16  % Contact:   Martin Raedel,  martin.raedel@dlr.de
17  %            DLR Lightweight Systems
18  %
19  %                              __/|__
20  %                             /_/_/_/
21  %            www.dlr.de/sy/en      |/ DLR
22  %
23  % Copyright (C) 2019-... DLR Lightweight Systems
24  %
25  %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
26  % Content                          %
27  %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
28
29  % Declare that this style file requires at least LaTeX version 2e.
30  \NeedsTeXFormat{LaTeX2e}
31
32  % Provide the name of your page, the date it was last updated, and a
       comment about what it's used for
33  \ProvidesPackage{stmbibliography}[2023/02/12 STMs bibliography
       definitions]
34
35  % -------------------------
36  % Options
37  % -------------------------
38
```

```
39  % For options
40  \@ifpackageloaded{kvoptions}{}{\RequirePackage{kvoptions}}%
41
42  % Option group
43  \SetupKeyvalOptions{%
44    family=stmbibliography,%
45    prefix=stmbibliography@,%
46    setkeys=\kvsetkeys,%
47  }
48
49  % Apply style name
50  \DeclareStringOption[stmdefault]{style}
51
52  % Process options
53  \ProcessKeyvalOptions{stmbibliography}
54
55  % -------------------------
56  % Modules
57  % -------------------------
58
59  \@ifpackageloaded{babel}{}{\RequirePackage{csquotes}}
60  \@ifpackageloaded{polyglossia}{}{\RequirePackage{csquotes}}
61
62  \@namedef{stmbibliography@style@default}{%
63    \RequirePackage{biblatex}
64  }
65
66  \@namedef{stmbibliography@style@stmdefault}{%
67
68    % These options must be set at the time of \usepackage
69    % http://mirrors.ctan.org/macros/latex/contrib/biblatex/doc/biblatex.
        pdf#subsubsection.3.1.1
70    \PassOptionsToPackage{%
71      backend=biber,%
72      style=numeric-comp,%
73    }{biblatex}
74
75    % Load the package
76    \RequirePackage{biblatex}
77
78    % Preamble options
79    % http://mirrors.ctan.org/macros/latex/contrib/biblatex/doc/biblatex.
        pdf#subsubsection.3.1.2
80    \ExecuteBibliographyOptions{%
```

```latex
 81       sorting=none,%
 82     }
 83   }
 84
 85   % Evaluate option settings
 86   % https://tex.stackexchange.com/a/249102
 87   \newcommand*{\stmbibliography@evaluate}[1]{%
 88     % Check, if option value in \<prefix>@<option> exists
 89     \@ifundefined{stmbibliography@#1}{%
 90       % Should not happen
 91       \PackageError{stmbibliography}{Evaluating unknown option '#1'}\@ehc
 92     }{%
 93       % Check, if there is an implementation for the value of the option
 94       % in macro \<prefix>@<option>@<value>
 95       \@ifundefined{stmbibliography@#1@\csname stmbibliography@#1\endcsname
       }{%
 96         \PackageError{stmbibliography}{%
 97           Unknown option setting: #1=%
 98           \csname stmbibliography@#1\endcsname
 99         }\@ehc
100       }{%
101         % Call the implementation for the value
102         \csname stmbibliography@#1@%
103                 \csname stmbibliography@#1\endcsname
104         \endcsname
105         \relax
106       }%
107     }%
108   }
109
110   \stmbibliography@evaluate{style}
111
112   %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
113   % That's it                          %
114   %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
115
116   % Finally, we'll use \endinput to indicate that LaTeX can stop reading
         this file. LaTeX will ignore anything after this line.
117   \endinput
```