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].

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1.	Usage - in the preamble
1.	1. Load the whole stmbibliography package
1.1	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.

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A. The code

A.1. stmbibliography.sty

```
2 % Header
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 %
                             |/ DLR
             www.dlr.de/sy/en
22 %
23 % Copyright (C) 2019-... DLR Lightweight Systems
24 %
26 % Content
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 \enskip {\enskip} {\e
41
42 % Option group
43 \SetupKeyvalOptions{%
                              family=stmbibliography,%
44
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 \quad \texttt{\colored} \\ \texttt{\colore
61
62 \Onamedef{stmbibliographyOstyleOdefault}{%
63
                               \RequirePackage{biblatex}
64 }
65
66
                 \Onamedef{stmbibliographyOstyleOstmdefault}{\%
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,%
                              }{biblatex}
73
74
                              % Load the package
75
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{%
```

```
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}{%
        % Should not happen
90
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
        }{%
          % Call the implementation for the value
101
102
          \csname stmbibliography@#10%
103
                 \csname stmbibliography@#1\endcsname
104
          \endcsname
105
          \relax
106
        }%
107
      }%
108
109
110
    \stmbibliography@evaluate{style}
111
113 % That's it
                                     %
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
```