

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. 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 STML^AT_EX 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

```
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 Composite Structures and Adaptive Systems
18 %
19 %               __/|__
20 %               /_/_/_/_/
21 %               www.dlr.de/fa/en | / DLR
22 %
23 % Copyright (C) 2019-... DLR Composite Structures and
24 % Adaptive Systems
25 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
26 % Content %
27 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
28
29 % Declare that this style file requires at least LaTeX
30 % version 2e.
31 \NeedsTeXFormat{LaTeX2e}
32
33 % Provide the name of your page, the date it was last updated
34 % , and a comment about what it's used for
35 \ProvidesPackage{stmbibliography}[2019/10/27 STMs
36 % bibliography definitions]
37
38 % -----
39 % 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{%
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`