

# stmbibliography package description

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Martin Rädcl

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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<sup>A</sup>T<sub>E</sub>X 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 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
33 %   comment about what it's used for
34 \ProvidesPackage{stmbibliography}[2023/02/12 STMs bibliography
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{%

```

```

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     }{%
97       \PackageError{stmbibliography}{%
98         Unknown option setting: #1=%
99         \csname stmbibliography@#1\endcsname
100       }\@ehc
101     }{%
102       % Call the implementation for the value
103       \csname stmbibliography@#1@%
104         \csname stmbibliography@#1\endcsname
105         \endcsname
106         \relax
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
117 % this file. LaTeX will ignore anything after this line.
118 \endinput

```