

The bicaption package^{*}

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Abstract

This package supports the typesetting of bilingual captions.

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1 The user interface

1.1 Loading the package

\usepackage This package will be loaded by

```
\usepackage[⟨options⟩]{bicaption} .
```

The options for the bicaption package are the same ones as for the caption package and specify settings which are used for the second language *additionally*. In fact

```
\usepackage[⟨options⟩]{bicaption}
```

is identical to

```
\usepackage{bicaption}  
\captionsetup[bi-second]{⟨options⟩} .
```

1.2 Setting options

\captionsetup

```
\captionsetup[bi]{⟨options⟩}
```

do setup options which will be used for bilanguage captions *additionally* to the ones which are setup for the specific floating environment.

```
\captionsetup[bi-first]{⟨options⟩}
```

do setup options which will be used for the *first* heading of the bilanguage captions *additionally* to the ones which are setup for the specific floating environment and the ones which are setup by \captionsetup[bi]{...}.

```
\captionsetup[bi-second]{⟨options⟩}
```

do setup options which will be used for the *second* heading of the bilanguage captions *additionally* to the ones which are setup for the specific floating environment and the ones which are setup by \captionsetup[bi]{...}.

Options specified with \usepackage[...]{bicaption} and \captionsetup[bi...]{...} will override the ones specified by \captionsetup{...} and \captionsetup[figure]{...} (same for ‘table’). So finally we have the following order how settings for bilingual captions are applied:

1. Global settings (\usepackage[...]{caption} and \captionsetup{...})
2. Environmental settings (\captionsetup[figure -or- table]{...})
3. Local settings (\captionsetup{...} inside figure or table environment)
4. Custom ‘bi’ settings (\captionsetup[bi]{...})

5. Custom ‘bi-first’ resp. ‘bi-second’ settings (`\usepackage[...]{bicaption}` and `\captionsetup[bi-first]{...}` resp. `\captionsetup[bi-second]{...}`)

An example:

```
\usepackage[labelsep=quad,indentation=10pt]{caption}
\usepackage[labelfont=bf]{bicaption}
\captionsetup[table]{labelfont=it,position=top}
```

causes the second heading of the bilingual caption inside `table` environments to be typeset with the settings

```
labelsep=quad,indentation=10pt,position=top,labelfont=bf.
```

1.3 Additional options

These options are available additional to the ones offered by the `caption` package:

`language=` `language=` Sets the language of the caption, e.g.

```
\usepackage[english]{bicaption}
```

will typeset the second caption of bilingual captions in English. (The language will be set with `\selectlanguage` internally, so the `babel` package must be loaded for using this option.)

`bi-lang=` `bi-lang=` Causes a selection of the headings of bilingual captions.

```
\captionsetup{bi-lang=both}
```

will cause that both caption headings are being typeset.
(This is the default.)

```
\captionsetup{bi-lang=first}
```

will cause that only the *first* heading is being typeset, and

```
\captionsetup{bi-lang=second}
```

will cause that only the *second* heading is being typeset.

`bi-singlelinecheck=` `bi-slc=` Switches the common single-line-check `on` or `off`, i.e. when switched on only a single check will be done for both captions, and the result will affect both captions afterwards. So if only one caption is longer than a single line, both captions will be treated as if they are longer than a single line, even if the second one isn’t. (The default is `on`.)

`bi-swap=` `bi-swap=`

```
\captionsetup{bi-swap}
```

will swap the primary and secondary language, making the first language the second one and vice versa. (The default is `false`.)

1.4 The `\bicaption` commands

`\bicaption` Bilingual captions will be typeset by

```
\bicaption[⟨list entry #1⟩] {⟨heading #1⟩}  
    [⟨list entry #2⟩] {⟨heading #2⟩}  
    \bicaption* {⟨heading #1⟩} {⟨heading #2⟩}
```

The `\label` should be placed either after this command, or inside the first heading.

`\bicaptionbox` Bilingual caption boxes will be typeset by

```
\bicaptionbox[⟨list entry #1⟩] {⟨heading #1⟩}  
    [⟨list entry #2⟩] {⟨heading #2⟩}  
    [⟨width⟩] [⟨inner-pos⟩] {⟨contents⟩}  
    \bicaptionbox* {⟨heading #1⟩} {⟨heading #2⟩}  
        [⟨width⟩] [⟨inner-pos⟩] {⟨contents⟩}
```

The `\label` should be placed inside the first heading.

(For a description of the optional parameters `⟨width⟩` and `⟨inner-pos⟩` please take a look at the `caption` package documentation, `\captionbox`.)

If the `subcaption` package is loaded, these commands are available additionally:

`\bisubcaption` Bilingual sub-captions will be typeset by

```
\bisubcaption[⟨list entry #1⟩] {⟨heading #1⟩}  
    [⟨list entry #2⟩] {⟨heading #2⟩}  
    \bisubcaption* {⟨heading #1⟩} {⟨heading #2⟩}
```

The `\label` should be placed either after this command, or inside the first heading.

`\bisubcaptionbox` Bilingual sub-caption boxes will be typeset by

```
\bisubcaptionbox[⟨list entry #1⟩] {⟨heading #1⟩}  
    [⟨list entry #2⟩] {⟨heading #2⟩}  
    [⟨width⟩] [⟨inner-pos⟩] {⟨contents⟩}  
    \bisubcaptionbox* {⟨heading #1⟩} {⟨heading #2⟩}  
        [⟨width⟩] [⟨inner-pos⟩] {⟨contents⟩}
```

The `\label` should be placed inside the first heading.

(For a description of the optional parameters `⟨width⟩` and `⟨inner-pos⟩` please take a look at the `subcaption` package documentation, `\subcaptionbox`.)

1.5 A sample document

```
\documentclass[english,ngerman]{article}
\usepackage{selinput}
\SelectInputMappings{adieresis={ä},germandbls={ß} }

\usepackage{babel}
\usepackage[lang=english,font=it]{bicaption}
\usepackage[format=hang]{subcaption}

\begin{document}

\begin{figure} [!htb]
\centering
\subcaptionbox{}{Teilabbildung A\label{fig:test:A}}
\subcaptionbox{}{Subfigure A}[0.4\textwidth]{IMAGE}%
\qquad
\subcaptionbox{}{Teilabbildung langer Titel B\label{fig:test:B}}
\subcaptionbox{}{Subfigure long title B}[0.4\textwidth]{IMAGE}%
\bicaption{Deutscher Titel}{English Title}
\label{fig:test}
\end{figure}

\captionsetup{bi-lang=both}

\begin{figure} [!htb]
\centering
\subcaptionbox[A]{Und eine gaaaanz lange Caption: Teilabbildung A}
\subcaptionbox[B]{Teilabbildung B}
\subcaptionbox{}{Subfigure B}[0.4\textwidth]{IMAGE}%
\bicaption{Abbildungsverzeichnistitel}{}
\subcaptionbox{}{Und eine noch viel viel viel}
\subcaptionbox{}{längere deutsche Beschriftung: Deutscher Titel}
\subcaptionbox{}{Short English heading}
\end{figure}

\captionsetup{bi-slc=0}

\begin{figure} [!htb]
\centering
\subcaptionbox[A]{Und eine gaaaanz lange Caption: Teilabbildung A}
\subcaptionbox{}{Subfigure A}[0.4\textwidth]{IMAGE}%
\qquad
```

```

\bisubcaptionbox[B]
{Teilabbildung B}
{Subfigure B}[0.4\textwidth]{IMAGE}%
\bicaption[Abbildungsverzeichnistitel]
{Und eine noch viel viel viel
längere deutsche Beschriftung: Deutscher Titel}
{Short English heading}
\end{figure}

\captionsetup{slc=0}

\begin{figure} [!htb]
\centering
\bisubcaptionbox[A]
{Und eine gaaaanz lange Caption: Teilabbildung A}
{Subfigure A}[0.4\textwidth]{IMAGE}%
\qquad
\bisubcaptionbox[B]
{Teilabbildung B}
{Subfigure B}[0.4\textwidth]{IMAGE}%
\bicaption[Abbildungsverzeichnistitel]
{Und eine noch viel viel viel
längere deutsche Beschriftung: Deutscher Titel}
{Short English heading}
\end{figure}

\end{document}

```

IMAGE
(a) Teilabbildung A
(a) *Subfigure A*

IMAGE
(b) Teilabbildung langer Titel B
(b) *Subfigure long title B*

Abbildung 1: Deutscher Titel
Figure 1: English Title

IMAGE
(a) Und eine gaaaanz lange Caption:
Teilabbildung A
(a) *Subfigure A*

IMAGE
(b) Teilabbildung B
(b) *Subfigure B*

Abbildung 2: Und eine noch viel viel längere deutsche Beschriftung: Deutscher Titel
Figure 2: Short English heading

IMAGE
(a) Und eine gaaaanz lange Caption:
Teilabbildung A
(a) *Subfigure A*

IMAGE
(b) Teilabbildung B
(b) *Subfigure B*

Abbildung 3: Und eine noch viel viel längere deutsche Beschriftung: Deutscher Titel
Figure 3: Short English heading

IMAGE
(a) Und eine gaaaanz lange Caption:
Teilabbildung A
(a) *Subfigure A*

IMAGE
(b) Teilabbildung B
(b) *Subfigure B*

Abbildung 4: Und eine noch viel viel längere deutsche Beschriftung: Deutscher Titel
Figure 4: Short English heading

1.6 Customising lists

- `list=` As default both caption texts will be insert into the List of Figures resp. List of Tables. To suppress the second entry just pass the option `list=off` to the `bicaption` package, e.g.:

```
\usepackage[lang=english,...,list=off]{bicaption}
```

- `listtype+=` Another option is separating the lists. For that purpose the option

```
listtype+={list type extension}
```

can be used to tell the `bicaption` package to use a different list for the second caption text. The given value will be appended to the current environment type; for example with `listtype+=X` the list entries will be put into the list responsible for the types `figureX` (= figure + X), `tableX` (= table + X) etc.

Such a `{list type}` can be defined using `\DeclareCaptionType` offered by the `caption` package, but some document classes or other packages offer macros for defining new floating environment types (and their corresponding lists) as well.

A sample document:

```
\documentclass[a4paper]{article}

% Use "ngerman" as 1st language, "english" as 2nd one
\usepackage[english,ngerman]{babel}

% Load the bicaption package with 2nd language set to
% "english", and list type "figureEng" resp. "tableEng"
\usepackage[lang=english,listtype+=Eng]{bicaption}

% Define the new floating environment type "figureEng"
\DeclareCaptionType[fileext=lof2]{figureEng}
    [Figure] [List of Figures]
% Define the new floating environment type "tableEng"
\DeclareCaptionType[fileext=lot2]{tableEng}
    [Table] [List of Tables]

\begin{document}
\listoffigures      % typeset "Abbildungsverzeichnis"
\listoffigureEnges % typeset "List of Figures"

\begin{figure}
\centering
A placeholder for an image or whatever
\bicaption{Deutscher Text}{English text}
\end{figure}

\end{document}
```

A different approach is using one list for both languages, but with different formatting. Since the `caption` package does not offer options and commands for customising the format of the lists, one need an additional package for this purpose, for example the `titletoc` package:

```
\documentclass[a4paper]{article}

% Use "ngerman" as 1st language, "english" as 2nd one
\usepackage[english,ngerman]{babel}

% Load the bicaption package with 2nd language set to
% "english", and list type "figure2" resp. "table2"
\usepackage[lang=english,listtype+=2]{bicaption}

% We load the titletoc package for customizing lists
% Note: Loading titletoc should be done prior defining
% additional floating environments with \DeclareCaptionType
\usepackage{titletoc}

% Define the new floating environment type "figure2"
% Use the same file extension as for "figure" (.lof) here
\DeclareCaptionType[fileext=lof]{figure2}
% Define the new floating environment type "table2"
% Use the same file extension as for "table" (.lot) here
\DeclareCaptionType[fileext=lot]{table2}

% We use the titletoc package for customizing "figure2"
% which is appropriate for the second language captions
\titlecontents{figure2}[3.8em]
{} % no above code
{} % empty numbered entry format
{} % empty numberless entry format
{} % empty filler page format

\begin{document}
\renewcommand\listfigurename
    {Abbildungsverzeichnis / List of Figures}
\listoffigures

\begin{figure}
\centering
A placeholder for an image or whatever
\bicaption{Deutscher Text}{English text}
\end{figure}

\end{document}
```

2 The implementation

2.1 Identification

```
1 \NeedsTeXFormat{LaTeX2e} [1994/12/01]
2 \ProvidesPackage{bicaption} [2011/09/03 v1.0 Bilingual Captions (AR)]
3 \RequirePackage{caption} [2011/08/28] % needs v3.2c or newer
4 \caption@AtBeginDocument{\caption@ifcompatibility{%
5   \caption@Error{%
6     The 'bicaption' package does not work correctly\MessageBreak
7     in compatibility mode}}{}}
```

2.2 Initial code

```
\bicaption@Warning \bicaption@Warning{\langle message\rangle}
8 \newcommand*\bicaption@Warning[1]{%
9   \bicaption@WarningNoLine{\#1\on@line}}
```



```
\bicaption@WarningNoLine \bicaption@WarningNoLine{\langle message\rangle}
10 \newcommand*\bicaption@WarningNoLine[1]{%
11   \PackageWarning{bicaption}{\#1.^^J\bicaption@wh\@gobbletwo}}
12 \newcommand*\bicaption@wh{%
13   See the bicaption package documentation for explanation.}
```



```
\bicaption@Error \bicaption@Error{\langle message\rangle}
14 \newcommand*\bicaption@Error[1]{%
15   \PackageError{bicaption}{\#1}\bicaption@eh}
16 \% \let\bicaption@KV@err\bicaption@Error
17 \newcommand*\bicaption@eh{%
18   If you do not understand this error, please take a closer look\MessageBreak
19   at the documentation of the 'bicaption' package.\MessageBreak\@ehc}
```

2.3 Declaration of options

The option `bi-lang` will setup which language(s) will actually be typeset, the first one, the second one, or both of them.

```
20 \newcount\bicaption@lang
21 \DeclareCaptionOption{bi-lang}{%
22   \caption@ifinlist{\#1}{0,all,both}{%
23     \bicaption@lang=0\relax
24   }{\caption@ifinlist{\#1}{1,1st,first}{%
25     \bicaption@lang=1\relax
26   }{\caption@ifinlist{\#1}{2,2nd,second}{%
27     \bicaption@lang=2\relax
28   }{%
29     \bicaption@Error{Undefined bi-lang value '#1'}%
30   }}}}
```

The option `bi-singlelinecheck` will setup if a single check will be used for both languages (=on), or if both languages will be checked individually (=off).

```
31 \DeclareCaptionOption{bi-singlelinecheck}[1]{%
32   \caption@set@bool\bicaption@ifslc{\#1}}
33 \DeclareCaptionOption{bi-slc}[1]{%
34   \caption@set@bool\bicaption@ifslc{\#1}}
```

The option `bi-swap` will swap the primary and secondary language, making the first language the second one and vice versa.

```
35 \DeclareCaptionOption{bi-swap}[1]{%
36   \caption@set@bool\bicaption@ifswap{\#1}}
```

The option `lang=<language>` will setup the language of the caption.

```
37 \DeclareCaptionOption{lang}{\def\bicaption@language{\#1}}
38 \let\KV@caption@language\KV@caption@lang
```

`\bicaption@selectlanguage`

Set the language via `\selectlanguage`.

```
39 \newcommand*\bicaption@selectlanguage{%
40   \@ifstar
41     {\bicaption@select@language\select@language}
42     {\bicaption@select@language\selectlanguage}}
```

`\caption@applyfont` (of the `caption` package kernel) will be extended here so the language setting will actually take effect.

```
46 \g@addto@macro\caption@applyfont{%
47   \bicaption@selectlanguage*}
48 \g@addto@macro\caption@prepareslc{%
49   \let\bicaption@language@\undefined}
```

2.4 Execution of options

Setup default values for `bi-lang` and `bi-singlelinecheck`.

```
50 \caption@ExecuteOptions{caption}{bi-lang=0,bi-slc=1,bi-swap=0}
```

Set the language for the first caption.

```
51 \ifx\bb@main@language\undefined
52   \bicaption@WarningNoLine{Please load this package after the babel package}
53 \else
54   \edef\@tempa{\noexpand\captionsetup[bi-first]{lang=\bb@main@language}}
55   \@tempa
56 \fi
```

We use `\caption@ProcessOptions` here to add the options to the ‘`bi-second`’ option list instead of executing them immediately.

```
57 \caption@SetupOptions{bicaption}{\captionsetup[bi-second]{#2}}%
58 \caption@ProcessOptions*{bicaption}
```

2.5 Main code

on@kernel@addcontentsline
We patch `\caption@kernel@addcontentsline` (of the `caption` package kernel) so `\bicaption@addcontentsline` will be used for bilingual captions instead.

```
59 \let\caption@kernel@addcontentsline@ORI\caption@kernel@addcontentsline
60 \renewcommand*\caption@kernel@addcontentsline[2]{%
61   \caption@ifundefined\bicaption@lentry
62   {\caption@kernel@addcontentsline@ORI{\#1}{\#2}}%
63   {\expandafter\bicaption@addcontentsline\expandafter{\bicaption@lentry}{\#1}{\#2}}%
64   \global\let\bicaption@lentry@\undefined}}
```

bicaption@addcontentsline
Typeset both captions using the original version of `\caption@addcontentsline`.

```
65 \newcommand\bicaption@addcontentsline[3]{%
66   \begingroup
67     \caption@setoptions{bi}%
68   Execute the options setup with \captionsetup[bi]{...}.
69   \caption@setoptions{bi}%
70 Do the first list entry, if requested.
71   \begingroup
72     \caption@setoptions{bi-first}%
73     \bicaption@@addcontentsline{\#2}{\#3}%
74     \endgroup
75   \fi
76 Do the second list entry, if requested.
77   \begingroup
78     \caption@setoptions{bi-second}%
79     \bicaption@@addcontentsline{\#2}{\#1}%
80     \endgroup
81 \endgroup
82 \newcommand*\bicaption@@addcontentsline[2]{%
83   \caption@ifcontentsline{\#2}{%
84     \bicaption@selectlanguage\relax
85     \caption@kernel@addcontentsline@ORI{\#1}{\#2}}}
```

\caption@@make
We patch `\caption@@make` (of the `caption` package kernel) so `\bicaption@@make` will be used for bilingual captions instead.

```
85 \let\caption@@make@ORI\caption@@make
86 \renewcommand\caption@@make[2]{%
87   \caption@ifundefined\bicaption@text
88   {\caption@@make@ORI{\#1}{\#2}}%
89   {\expandafter\bicaption@@make\expandafter{\bicaption@text}{\#1}{\#2}}%
90   \global\let\bicaption@text@\undefined}}
```

\bicaption@@make
Typeset both captions using the original version of `\caption@@make`.

```
91 \newcommand\bicaption@@make[3]{%
92   \caption@setoptions{bi}%
93 Execute the options setup with \captionsetup[bi]{...}.
94   \caption@setoptions{bi}%
```

Perform the common single-line-check for both captions, if requested.

```
93  \ifnum\bicaption@lang=0\relax
94    \bicaption@ifslc
95      {\caption@@slc{\#2}{\#3}{\captionwidth}{}%
96       {\caption@set@bool\caption@ifslc0}%
97       \caption@@slc{\#2}{\#1}{\captionwidth}{}%
98       {\caption@set@bool\caption@ifslc0}%
99      {}%
100 \fi
```

Typeset the first caption, if requested. (Otherwise we only apply the label of it.)

```
101 \ifnum\bicaption@lang=2\relax
102   \bicaption@label
103   \global\let\bicaption@label\relax
104 \else
105   \begingroup
106     \caption@setoptions{bi-first}%
107     \caption@make@ORI{\#2}{\#3}%
108   \endgroup
109 \fi
```

Typeset the second caption, if requested.

```
110 \ifnum\bicaption@lang=1\relax
111 \else
112   \begingroup
113     \caption@setoptions{bi-second}%
114     \caption@make@ORI{\#2}{\#1}%
115   \endgroup
116 \fi}
```

2.5.1 The `\bicaption` commands

```
\bicaption  \bicaption*[<list entry #1>]{<text #1>} [<list entry #2>]{<text #2>}
117 \newcommand\bicaption{\@bicaption\caption}

\bicaptionbox \bicaptionbox*<entry #1>{<text #1>} [<entry #2>]{<text #2>} [<...>]{<...>}
118 \newcommand\bicaptionbox{\@bicaption\captionbox}

\bisubcaption \bisubcaption*<list entry #1>{<text #1>} [<list entry #2>]{<text #2>}
119 \newcommand\bisubcaption{\@bicaption\subcaption}
120 \let\subbicaption\bisubcaption

\bisubcaptionbox \bisubcaptionbox*<entry #1>{<text #1>} [<entry #2>]{<text #2>} [<...>]{<...>}
121 \newcommand\bisubcaptionbox{\@bicaption\subcaptionbox}
122 \let\subbicaptionbox\bisubcaptionbox

\@bicaption  \@bicaption{<cmd>}*{<entry #1>}{<text #1>} [<entry #2>]{<text #2>}...
123 \newcommand*\@bicaption[1]{%
124   \def\bicaption@cmd{\#1}%
125   \@ifstar
126     {\l@addto@macro\bicaption@cmd*%
127      \@@bicaption}%
128     {\caption@dblarg@\@@bicaption}}
```

```

129 \newcommand{\bicaption}[1]{%
130   \@@@bicaption{}{#1}[]}
131 \long\def\@@@bicaption[#1]#2{%
132   \caption@dblarg{\@@@bicaption{#1}{#2}}}
133 \long\def\@@@bicaption#1#2[#3]#4{%
134   \bicaption@getlabel#2\label{}@nil
135   \bicaption@ifswap
136     {\bicaption@setup{#1}{#2}%
137      \bicaption@cmd[{#3}]{#4}%
138     {\bicaption@setup{#3}{#4}%
139      \bicaption@cmd[{#1}]{#2}}}
140 \long\def\bicaption@getlabel#1\label#2#3@nil{%
141   \def@\tempa{#2}%
142   \ifx@\tempa\empty
143     \let\bicaption@label\relax
144   \else
145     \def@\tempb{*}%
146     \ifx@\tempa@\tempb
147       \def\bicaption@label{\label*}%
148       \bicaption@getlabel#3@nil
149     \else
150       \def\bicaption@label{\label}%
151       \bicaption@getlabel{#2}#3@nil
152     \fi
153   \fi}
154 \long\def\bicaption@@getlabel#1#2@nil{%
155   \def@\tempa{#1}%
156   \def@\tempb{[]}%
157   \ifx@\tempa@\tempb
158     \bicaption@@getlabel#1#2@nil
159   \else
160     \l@addto@macro\bicaption@label{{#1}}%
161   \fi}
162 \long\def\bicaption@@@getlabel[#1]#2@nil{%
163   \l@addto@macro\bicaption@label[{#1}]%
164   \bicaption@getlabel#2@nil}
165 \newcommand\bicaption@setup[2]{%
166   \def\bicaption@lentry{#1}%
167   \def\bicaption@text{\ignorespaces#2}}
168 \AtBeginDocument{%
169   \ifx\caption@freeze\undefined \else
170     \g@addto@macro\caption@freeze{%
171       \let\caption@frozen@bicaption\bicaption

```

\bicaption@getlabel Gets the label command out of the (first) caption text and stores it to \bicaption@label.

\bicaption@setup \bicaption@setup{\text{list-entry}}{\text{text}} Initiates the bilingual caption typesetting by storing the extra texts into \bicaption@l-entry and \bicaption@text.

\caption@freeze To make \bicaption work inside SCfigure and FPfigure environments we need to add \bicaption to \caption@freeze.

```

172 \def\bicaption{%
173   \caption@withoptargs\caption@SC@bicaption}%
174 \long\def\caption@SC@bicaption#1#2{%
175   \@ifnextchar[%]
176     {\caption@SC@bi@caption{\#1}{\#2}}%
177     {\caption@SC@bi@caption@{\#1}{\#2}}}%
178 \long\def\caption@SC@bi@caption#1#2[#3]{%
179   \caption@@freeze{\bicaption#1{\#2}[{\#3}]{\#4}}%
180   \ignorespaces}%
181 \long\def\caption@SC@bi@caption@#1#2#3{%
182   \caption@@freeze{\bicaption#1{\#2}{\#3}}%
183   \ignorespaces}%
184 \l@addto@macro\caption@warmup{%
185   \let\bicaption\caption@frozen@bicaption}%
186 \fi}

```

\bicaption@listof **Make commands like \listoffigure2s work.**

```

187 \def\bicaption@declarelist#1{\@namedef{listof#1}{\bicaption@listof#1}}%
188 \@onlypreamble\bicaption@declarelist
189 \def\bicaption@listof#1 {\@nameuse{listof#1}}
190 \caption@ifundefined{c@figure}{}{\bicaption@declarelist{figure}}
191 \caption@ifundefined{c@table}{}{\bicaption@declarelist{table}}
192 \caption@For{typelist}{\bicaption@declarelist{#1}}

```