

# stmtabular package description

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These are the tabular definitions for `stmlatex`.

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## 1. Column types

With the option `columntypes=true`, the column type definitions from the [Thesis Template](#) are loaded.

### 1.1. p-column type based

fixed width (L: left)	fixed width (C: center)	fixed width (R: right)
text which is considerably longer than the width of the column	text which is considerably longer than the width of the column	text which is considerably longer than the width of the column

### 1.2. X-column type based

variable (W: left)	variable (Z: center)	variable (Y: right)
text which is considerably longer than the width of the column	text which is considerably longer than the width of the column	text which is considerably longer than the width of the column

## A. The code

### A.1. stmtabular.sty

```

1 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2 % Header %
3 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
4 %
5 % This is a interface to all stm tabular definitions
6 %
7 % Usage
8 % - Preamble:
9 % - \usepackage{stmtabular}
10 %
11 % Revisions: 2019-10-27 Martin Raedel <martin.raedel@dlr.de>
12 % Initial draft
13 %
14 % Contact: Martin Raedel, martin.raedel@dlr.de
15 % DLR Composite Structures and Adaptive Systems
16 %
17 % --/|__
18 % /_/_/_/
19 % www.dlr.de/fa/en | / DLR
20 %
21 % Copyright (C) 2019-... DLR Composite Structures and
22 % Adaptive Systems
23 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
24 % Content %
25 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
26
27 % Declare that this style file requires at least LaTeX
28 % version 2e.
29 \NeedsTeXFormat{LaTeX2e}
30
31 % Provide the name of your page, the date it was last updated
32 % , and a comment about what it's used for

```

```

31 \ProvidesPackage{stmtabular}[2019/10/27 STMs custom LaTeX
    tabular definitions]
32
33 % -----
34 % Options
35 % -----
36
37 % For options
38 \@ifpackageloaded{kvoptions}{\RequirePackage{kvoptions}}%
39
40 % Option group
41 \SetupKeyvalOptions{%
42     family=stmtabular,%
43     prefix=stmtabular@,%
44     setkeys=\kvsetkeys,%
45 }
46
47 % Items
48 \DeclareBoolOption[true]{columnntypes}
49
50 % Process options
51 \ProcessKeyvalOptions{stmtabular}
52
53 % -----
54 % Modules
55 % -----
56
57 % Load the items
58 \ifstmtabular@columnntypes
59     \@ifpackageloaded{stmtabularcolumnntypes}{\RequirePackage{stmtabularcolumnntypes}}%
60     \RequirePackage{stmtabularcolumnntypes}%
61 }%
62 \fi
63
64 %%%%%%%%%%%%%%%
65 % That's it %
66 %%%%%%%%%%%%%%%
67
68 % Finally, we'll use \endinput to indicate that LaTeX can
    stop reading this file. LaTeX will ignore anything after
    this line.
69 \endinput

```

## A.2. stmtabularcolumnntypes.sty

```

1 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2 % Header %
3 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
4 %
5 % This is a interface to all stm tabular definitions
6 %
7 % Usage
8 % - Preamble:
9 % - \usepackage{stmtabularcolumnntypes}
10 %
11 % Revisions: 2019-10-27 Martin Raedel <martin.raedel@dlr.de>
12 % Initial draft
13 %
14 % Contact: Martin Raedel, martin.raedel@dlr.de
15 % DLR Composite Structures and Adaptive Systems
16 %
17 % _ _ / | _ _
18 % / _ / _ / _ /
19 % www.dlr.de/fa/en | / DLR
20 %
21 % Copyright (C) 2019-... DLR Composite Structures and
22 % Adaptive Systems
23 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
24 % Content %
25 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
26 %
27 % Declare that this style file requires at least LaTeX
28 % version 2e.
29 \NeedsTeXFormat{LaTeX2e}
30 % Provide the name of your page, the date it was last updated
31 % , and a comment about what it's used for
32 \ProvidesPackage{stmtabularcolumnntypes}[2019/10/27 STMs
33 % custom LaTeX tabular column type definitions]
34 %
35 % -----
36 % Modules
37 % -----
38 % For RaggedLeft/RaggedRight/Centering
39 \@ifpackageloaded{ragged2e}{}{%

```

```

39 \RequirePackage{ragged2e}%
40 }
41
42 % for X-column
43 \@ifpackageloaded{tabularx}{}{%
44 \RequirePackage{tabularx}%
45 }
46
47 % Thankfully copied from
48 % https://github.com/pospiech/latex/blob/master/
49 % latexthesistemplate/packages/publish/tablestyles.dtx
50 %% centered (X):
51 \newcolumntype{Z}{>{\centering\arraybackslash\hspace{0pt}}X}
52 %% right (X):
53 \newcolumntype{Y}{>{\RaggedLeft\arraybackslash\hspace{0pt}}X}
54 %% left (X):
55 \newcolumntype{W}{>{\RaggedRight\arraybackslash\hspace{0pt}}X}
56 }
57 %% left (p):
58 \newcolumntype{L}[1]{>{\RaggedRight\arraybackslash\hspace{0pt}}p{#1}}
59 %% right (p):
60 \newcolumntype{R}[1]{>{\RaggedLeft\arraybackslash\hspace{0pt}}p{#1}}
61 %% centered (p):
62 \newcolumntype{C}[1]{>{\Centering\arraybackslash\hspace{0pt}}p{#1}}
63
64 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
65 % That's it
66 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
67
68 % Finally, we'll use \endinput to indicate that LaTeX can
69 % stop reading this file. LaTeX will ignore anything after
70 % this line.
71 \endinput

```