

# The `stabular` package

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v2.2 from 2025/04/10

## 1 Introduction

**Purpose:** improve tabular environment by allowing page break.

## 2 Usage

Just insert `\noalign{\eject}` after command `\\` to do a page break inside `stabular` environment.

`stabular` Provides new environments: `stabular` and `stabular*`. It is one more multi-  
`stabular*` page version of `tabular`.

### 2.1 Package options

`array` It is used to support tabular environment defined in `array` package.

## 3 Implementation

```
1 \def\use@@pkg@@array@@variant{0}
2 \DeclareOption{array}{\def\use@@pkg@@array@@variant{1}}
3 \ProcessOptions*

stabular
4 \def\stabular{\let\@halignto\@empty\@stabular}
5 \def\endstabular{\crcr\egroup\egroup\egroup}

stabular*
6 \@namedef{stabular*}#1{%
7   \setlength\dimen@{#1}%
8   \edef\@halignto{to\the\dimen@}%
9   \@tabular
10  }
11 \expandafter\let\csname endstabular*\endcsname\endstabular

\@stabular
12 \def\@stabular{\leavevmode
13   \bgroup
14   \let\@acol\@tabacol
15   \let\@classz\@tabclassz
```

```

16 \let\@classiv\@tabclassiv
17 \let\\\@tabularcr
18 \@stabarray
19 }

\@stabarray
20 \def\@stabarray{\m@th@ifnextchar[\@sarray{\@sarray[c]}}

\@sarray
21 \def\@sarray[#1]#2{%
22 \bgroup
23 \setbox\@arstrutbox\hbox{%
24 \vrule \@height\arraystretch\ht\strutbox
25 \@depth\arraystretch\dp\strutbox
26 \@width\z@
27 }%
28 \@mkpream{#2}%
29 \edef\@preamble{%
30 \ialign \noexpand\@halignto
31 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr
32 }%
33 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
34 \let\@tabularnewline\@
35 %\let\par\@empty
36 \let\@sharp##\
37 \set@typeset@protect
38 \lineskip\z@skip \baselineskip\z@skip
39 \@preamble
40 }

```

Definitions to provide array package support.

```

41 \def\pkgarray@#1#2{%
42 \@tempdima \ht \strutbox
43 \advance \@tempdima by\extrarowheight
44 \setbox \@arstrutbox \hbox{\vrule
45 \@height \arraystretch \@tempdima
46 \@depth \arraystretch \dp \strutbox
47 \@width \z@}%
48 \begingroup
49 \@mkpream{#2}%
50 \xdef\@preamble{\noexpand \ialign \@halignto
51 \bgroup \@arstrut \@preamble
52 \tabskip \z@ \cr}%
53 \endgroup
54 \@arrayleft
55 \bgroup
56 \let\@sharp#\let\protect\relax
57 \lineskip\z@ \baselineskip\z@
58 \m@th
59 \let\\\@arraycr \let\@tabularnewline\@
60 %\let\par\@empty
61 \@preamble
62 }
63 \def\pkgarray@#1\@stabarray{\ifnextchar[\@sarray]{\pkgarray@#1\@sarray[c]}}

```

```

64 \def\pkgarray@stabular{\def\@halignto{\}\pkgarray@@stabular}
65 \expandafter\def\csname pkgarray@stabular*\endcsname#1{%
66     \setlength\dimen@{#1}%
67     \edef\@halignto{to\the\dimen@}\pkgarray@@stabular}
68 \def\pkgarray@@stabular{%
69     \leavevmode
70     \bgroup
71     \col@sep\tabcolsep
72     \let\dollarbegin\begin\group
73     \let\dollarend\end\group
74     \pkgarray@@stabarray
75 }
76 \def\pkgarray@endstabular{\endarray\egroup}
77 \expandafter\let\csname pkgarray@endstabular*\endcsname\pkgarray@endstabular
78 \ifcase\use@@pkg@@array@@variant
79 \else
80     \@ifpackageloaded{array}{\RequirePackage{array}}%
81     \let\stabular\pkgarray@stabular
82     \expandafter\let\csname stabular*\expandafter\endcsname
83     \csname pkgarray@stabular*\endcsname
84     \let\endstabular\pkgarray@endstabular
85     \expandafter\let\csname endstabular*\expandafter\endcsname
86     \csname pkgarray@endstabular*\endcsname
87 \fi

```