

# Rubber Article - Template Documentation


v.0.4.0

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## Example Usage

```
1 #import "@preview/rubber-article:0.4.0": *
2 #show: article.with()
3 #maketitle(
4   title: "The Title of the Paper",
5   authors: ("Authors Name",),
6   date: datetime.today().display("[day].[month].[year]"),
7 )
```

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## Styling functions

These functions are used to style certain elements of the document. They are usually called with a `#show` statement. They do not output any content, but rather modify the appearance of the document.


- `appendix()`
- `article()`

### appendix

Function to format the Appendix. This function is intended to be used after the document has been styled with the `article` function.

Example usage:

```
1 #show: article.with()
2 // A lot of content goes here...
3
4 #show: appendix.with(
5   title: "Appendix",
6   title-align: center,
7 )
```

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## Parameters

```
appendix(  
    numbering: none str function ,  
    title: none str content ,  
    title-align: alignment ,  
    title-size: length ,  
    numbering-start: int ,  
    content  
) -> content
```

**numbering** none or str or function

The numbering of the Appendix

Default: "A.1"

**title** none or str or content

The title of the Appendix

Default: none

**title-align** alignment

The alignment of the title

Default: center

**title-size** length

The size of the title

Default: none

**numbering-start** int

Startting the appendix after this number


Default: 0

## article

A Template recreating the look of the classic Article Class.

Example usage:

```
1 #show: article.with(  
2   lang: "de",  
3 )
```

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This will format the document with the specified options. For more styling options, explore the following parameters.

## Parameters

```
article(  
  lang: str,  
  eq-numbering: str or none,  
  eq-chapterwise: bool,  
  text-size: length,  
  page-numbering: none or str or function,  
  page-numbering-align: alignment,  
  heading-numbering: none or str or function,  
  margins: auto or relative or dictionary,  
  enum-indent: length,  
  list-indent: length,  
  header-display: bool,  
  alternating-header: bool,  
  first-page-header: int or float,  
  header-title: str or content,  
  justify: bool,  
  fig-caption-width: relative,  
  header-line-stroke: length,  
  content: content  
) -> content
```

**lang**    `str`

Set the language of the document.

Default: `"de"`

**eq-numbering**    `str` or `none`

Set the equation numbering style.

Default: `none`

**eq-chapterwise**    `bool`

Chapterwise numbering of equations.

Default: `false`

**text-size**    `length`

Set the text size. Headings are adjusted automatically.

Default: `10pt`

**page-numbering** `none` or `str` or `function`

Set the page numbering style.

Default: `"1"`

**page-numbering-align** `alignment`

Set the page numbering alignment.

Default: `center`

**heading-numbering** `none` or `str` or `function`

Set the heading numbering style.

Default: `"1.1"`

**margins** `auto` or `relative` or `dictionary`

Set the margins of the document.

Default: (left: `25mm`, right: `25mm`, top: `30mm`, bottom: `30mm`)

**enum-indent** `length`

Set the Enum indentation.

Default: `1.5em`

**list-indent** `length`

Set the List indentation.

Default: `1.5em`

**header-display** `bool`

Set if the default header should be used.

Default: `false`

**alternating-header** `bool`

Set if the default header should be alternating.

Default: `true`

**first-page-header** `int` or `float`

Set the first page of the header.

Default: `1`

**header-title** `str` or `content`

Set the Header Titel

Default: `none`

**justify** `bool`

Set if document should be justified.

Default: `true`

**fig-caption-width** `relative`

Set the width of the figure captions.

Default: `75%`

**header-line-stroke** `length`

Set the width of the headerline.

Default: `.65pt`

## Constructor functions

These functions are used to create certain elements of the document. They can be called with certain arguments and output some content.


- `ctable()`
- `maketitle()`

### **ctable**

This function will display a custom table. The table uses the `pillar` package under the hood to interact with the table in a similar manner as in LaTeX. This means, that the columns and vertical lines can be defined with a string. Furthermore, the table automatically adds 3 horizontal lines.

Example usage:

```
1 #ctable(  
2   cols:"l|cr",  
3   [A], [B], [C],  
4   ..range(1,16).map(str),  
5 )
```

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### Parameters

```
ctable(  
  ..data,  
  cols: string,  
  stroke: length,  
  middle-stroke: length,  
  vertical-stroke: length,  
  header-rows: int  
) -> content
```

**cols**    `string`

A string that defines the columns and vertical lines of the table.

Default: `"ccc"`

**stroke**    `length`

The linesyle of the table, especially the top and bottom horizontal lines.

Default: `.75pt`

**middle-stroke**    `length`

The linesyle of the middle horizontal line.

Default: `.6pt`

**vertical-stroke**    `length`

The linesyle of the vertical lines.

Default: `.75pt`

**header-rows**    `int`

The number of header rows.


Default: `1`

## **maketitle**

This function will display the frontmatter of the document. This includes the title, authors, and date.

Example usage:

```
1 #maketitle(  
2   title: "The Title of the Paper",  
3   authors: ("Authors Name",),  
4   date: "2025-01-01",  
5 )
```

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## **Parameters**

```
maketitle(  
  title: string content ,  
  authors: array ,  
  date: string content datetime ,  
  metadata: bool  
) -> content
```

**title**    `string` or `content`

The title of the document.

Default: `" "`

**authors**    `array`

The authors of the document.

Default: `()`

**date**    `string` or `content` or `datetime`

The date of the document.

Default: `none`

**metadata** `bool`

Use title and author information for the document metadata.

Default: `true`