Marginalia 0.2.4

Write into the margins!

1 Setup

Put something akin to the following at the start of your .typ file:

```
#import "@preview/marginalia:0.2.4" as marginalia: note, notefigure, wideblock

#show: marginalia.setup.with(
    // inner: ( far: 5mm, width: 15mm, sep: 5mm ),
    // outer: ( far: 5mm, width: 15mm, sep: 5mm ),
    // top: 2.5cm,
    // bottom: 2.5cm,
    // book: false,
    // clearance: 12pt,
)
```

Where you can then customize these options to your preferences. Shown here (as comments) are the default values taken if the corresponding keys are unset.

If <u>book</u> is <u>false</u>, inner and outer correspond to the left and right margins respectively. If book is true, the margins swap sides on even and odd pages. Notes are placed in the outside margin by default.

See the appendix for a more detailed explanation of the setup() function and its options.

Additionally, I recommend using Typst's partial function application feature to customize other aspects of the notes consistently:

```
#let note = note.with(/* options here */)
#let notefigure = notefigure.with(/* same options here */)
```

2 Margin-Notes

By default, the #note[] command places a note to the right/outer margin, like so:
. By giving the argument side</pr>
side</pr>
"inner"
, we obtain a note on the inner (left) margin.
If setup.book
is true
the side will of course be adjusted automatically. It is also possible to pass side
"right"
if you want a fixed side even in books

If \diamond we place multiple notes in one line, they automatically adjust their positions. Additionally, a dy argument can be passed to shift their initial position by that amount vertically. They may still get shifted around, unless configured otherwise via the shift parameter of #note[].

Notes will shift vertically to avoid other notes, wideblocks, and the top page margin. It will attempt to move one note below a wide-block if there is not enough space above, but if there are multiple notes that

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 You can also skip the configuration step if you're using a4 paper and are happy with these defaults, but 15mm is not a lot to write in.

o This is a note.

They can contain any content, and will wrap within the note column.

- Note 1
- Note 2
- □ Note 3
- ▲ Note 4
- △ Note 5
- This note was given 15pt dy, but it was shifted more than that to avoid Notes 1-5.
- This note was given 10cm dy and was shifted less than that to stay on the page.

• Reversed.

This note was given 15pt dy.

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Note from second column.

o Lorem ipsum dolor sit.

Like so. The lorem-ipsum note was also placed with keep-order.

This note has flush numbering.

 Unnumbered notes "avoid" being shifted if possible, preferring to shift other notes up.

Like this.

A alphabetized note

▲ regular one

B another alphabetized note

18 This note has a custom numbering, but the same counter.

Like this one.

19 (the <u>notecounter</u> is unaffected by the previous note, as it has <u>numbering</u>: <u>none</u>)

- Corem ipsum dolor sit amet, consectetur adipiscing elit, sed do.
- Lorem ipsum dolor sit amet consectetur adipiscing elit, sed do.

Lorem ipsum dolor sit.

would need to be rearranged you must assist by manually setting dy such that their initial position is below the wideblock.

Margin notes also fault, they are placed order as they appear work from within aligned with their anin the text, set keep- most containers such chor. To force the order: true on all as #block[]s or notes to appear in the notes whose relative #column[]s.o By demargin in the same order is important.

2.1 Markers

The margin notes are decorated with little symbols, which by default hang into the gap. If this is not desired, set <u>flush-numbering</u>: true on the note.

Setting the argument <u>numbering</u>: <u>none</u>, we obtain notes without icon/number:

To change the markers, you can override the <u>numbering</u> function which is used to generate the markers.

You can also change the <u>counter</u> used. This can be useful if you want some of your notes to have independent numbering.

```
#let a-note-counter = counter("a-note")
#let a-note = note.with(
  counter: a-note-counter,
  numbering: (..i) ⇒ text(weight: 900, font: "Inter", size: 5pt, style: "normal", fill:
  rgb(54%, 72%, 95%), numbering("A", ..i)),
)
```

Advanced Markers

If a different style is desired for the marker in the text and in the margins, you can use the <u>anchor-numbering</u> parameter to control the intext marker:¹⁸

```
#note(
  numbering: (.., i) ⇒ text(font: "Inria Sans")[#i#h(0.5em)],
  anchor-numbering: (.., i) ⇒ super[#i],
)[...]
```

Note that doing this implies <u>flush-numbering</u>: <u>true</u>. This is based on the assumption that if you have set two different numbering functions, you want to handle the placement yourself. Non-flush numbers, which are placed, complicate this.

This can also be used to create notes that have an anchor, but no numbering in the note itself.¹⁹

2.2 Styling

Both <u>note()</u> and <u>notefigure()</u> accept <u>text-style</u>, <u>par-style</u>, and <u>block-style</u> parameters:

```
• text-style: (size: 5pt, font: ("Iosevka Extended")) gives ♥
```

• par-style: (spacing: 20pt, leading: -2pt) gives •

The default options here are meant to be as close as possible to the stock footnote style given 11pt text. For other text sizes, set the text-style

```
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```

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size to 0.85 times your body text size if you want to match the stock footnotes.

block-style

To style the block containing the note body, use the <u>block-style</u> parameter.

- block-style: (stroke: (top: (thickness: 0.5pt, dash: "dotted")),
 outset: (top: 6pt /* clearance is 12pt */), width: 100%) gives:
- block-style: (fill: oklch(90%, 0.06, 140deg), outset: (left: 10pt, rest: 4pt), width: 100%, radius: 4pt) gives:
- block-style: (fill: oklch(90%, 0.06, 140deg), inset: (x: 4pt),
 outset: (y: 4pt), width: 100%, radius: 4pt) gives:◊

For more advanced use-cases, you can also pass a function as the <u>block-style</u>. It will be called with one argument, either "left" of "right", depending on the side the note will be placed on. Inside the function, context is available.

□ Purple 2

△ Wow!

```
#let block-style = (side) ⇒ {
   if side = "left" {
      (stroke: (left: none, rest: 0.5pt + purple), outset: (left: marginalia.get-left().far,
   rest: 4pt))
   } else {
      (stroke: (right: none, rest: 0.5pt + purple), outset: (right: marginalia.get-
      right().far, left: 9pt, rest: 4pt))
   }
}
#note(block-style: block-style)[Purple]
#note(side: "inner", block-style: block-style)[Purple 2]
```

3 Wide Blocks

The command <code>#wideblock[]</code> can be used to wrap content in a wide block which spans into the margin-note-column.

Note: when using an asymmetric page layout with <u>setup.book</u>: true, wideblocks which span across pagebreaks are messy, because there is no way for the wideblock to detect the pagebreak and adjust its position after it.

It is possible to use notes in a wide block: A. They will automatically shift downwards to avoid colliding with the wideblock.

#wideblock(side: "inner")[...]: The <u>side</u> option allows extending the block into the inside margin instead. This is analogous to the <u>side</u> option on notes and notefigures and allows placing notes in their usual column.

In this manual, an inner wideblock is used to set the appendix to make it take up fewer pages. This is also why the appendix is no longer using setup.book: true.

#wideblock(side: "both")[...]: Additionally, wideblocks can extend on both sides, for extra wide content. This is especially useful for figures, more on that below.

This is a note with a dotted stroke above.

So is this.

•This is a note with a green background and flush-numbering: true.

So is this.

This is a note with an outset green background.

So is this.

■ Purple

 Unless they are given a dy argument moving them above the block.

▼ Notes above a #wideblock[] will

shift upwards if necessary.

▲ Voila.

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4 Figures

4.1 Notefigures

For small figures, you can place them in the margin with #notefigure()
It accepts all arguments #figure() takes (except placement and scope), plus all arguments #note[] takes. However, by default it has no marker, and to get a marker like other notes, you must pass numbering: marginalia.note-numbering, and it will get a marker like other notes:

If you want, you can override the <u>counter</u> and <u>anchor-numbering</u> to get an anchor using the figure-numbering.³

```
#notefigure(/**/, counter: counter(figure), anchor-numbering: (.., i) \Rightarrow \text{super}[\#(i + 1)],)
```

Figure 6: Styled figure.

Additionally, the <u>alignment</u> parameter can now also be "caption-top", which results in alignment with the top of the caption.

By default, like normal <code>#note[]</code>s, it uses <code>alignment:</code> "baseline" which leads to the caption's being aligned with the main text.

A label can be attached to the figure using the <u>label</u> argument, as was done here for Figure 2. (Sadly, it is not possible to attach labels normally.)

Notefigures can also be given <u>side</u>, <u>text-style</u>, <u>par-style</u>, and <u>block-style</u> parameters, - like <u>#note[]</u> - as is demonstrated in Figure 6. Furthermore, the numbering, anchor-numbering, and flush-numbering parameters work as expected.³⁴

Note that **#show** figure.caption: /**/ rules are ignored for **#notefigure**[]s, use the **show-caption** parameter instead.

4.2 Large Figures

For larger figures, use the following set and show rules if you want topaligned captions:

```
#set figure(gap: 0pt) // neccessary in both cases
#set figure.caption(position: top)
#show figure.caption.where(position: top): note.with(alignment: "top", anchor-numbering:
none, numbering: none, shift: "avoid", keep-order: true)
```

And if you want bottom-aligned captions, use the following:

```
#set figure(gap: 0pt) // neccessary in both cases
#set figure.caption(position: bottom) // (this is the default)
#show figure.caption.where(position: bottom): note.with(alignment: "bottom", anchor-
numbering: none, numbering: none, shift: "avoid", keep-order: true)
```

Figure 1: A notefigure.

• Figure 2: A marked notefigure.

Figure 3: reusing figure counter

Figure 4: Aligned to top of cap-

Figure 5: Aligned to top of figure with <u>alignment</u>: "top".

34 Figure 7: Figure with custom numbering

 NB: show-caption expects a function with two arguments, check the docs.

Figure 8: A figure.

Figure 9: A figure.

For wide figures, simply place a figure in a wideblock. The caption gets placed beneath the figure automatically, courtesy of regular wide-block-avoidance. #wideblock(figure(image(), caption: [A figure in a wide block.])) #wideblock(figure(image(), caption: [A figure in a wide block.])) Figure 10: A figure block				
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You can place notes in absolute positions relative to the page using place: place(top, note(numbering: none, side: "inner")[Top]) place(bottom, note(numbering: none, side: "inner")[Bottom]) To avoid these notes moving about, use shift: false (or shift: "ignore" if you don't mind overlaps.) place(top, note(numbering: none, shift: false)[Top (no shift)]) By default, notes are aligned to their first baseline. To align the top of the note instead, set alignment to "top" 5.2 Background Lines They're mostly here to showcase the columns and help me verify that everything gets placed in the right spot, but if you want, you can enable the lines in the background simply by using show: marginalia.show-frame		5 Other Tidbits	wide wideblock.	
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They're mostly here to showcase the columns and help me verify that everything gets placed in the right spot, but if you want, you can enable the lines in the background simply by using #show: marginalia.show-frame			(Or set <u>alignment</u> to "bottom" to align the bottom of the note.)	
everything gets placed in the right spot, but if you want, you can enable the lines in the background simply by using #show: marginalia.show-frame		5.2 Background Lines		
		everything gets placed in the right spot, but if you want, you can enable		
	show: marginal	ia.show-frame		
You can also hide the lines for the header and footer with		You can also hide the lines for the header and footer with		
tshow: marginalia.show-frame.with(header: false, footer: false)	show: marginal	ia.show-frame.with(header: false, footer: false)		
	ottom		Bottom (no shift) Bottom (no shift, top-aligned)	
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Bottom (no shift) Bottom (no shift,				

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5.3 Headers

Here's how the headers in this document were made:

```
#set page(
  header-ascent: 16mm,
  header: context if here().page() > 1 {
    marginalia.header(
      text-style: (size: 8.5pt, number-type: "old-style"),
      [Page #counter(page).display("1 of 1", both: true)],
      smallcaps[Marginalia],
      datetime.today().display("[day]. [month repr:long] [year]")
    )
  },
)
```

Despite the name, this function can be used anywhere, and not solely for headers. It simply creates a wideblock and fills it with properly sized boxes. The #marginalia.header() function is pretty flexible in the arguments it expects. Any of the following will work:

For convenience, you may pass a text-style parameter also.

this is an even page

right inner

5.4 Pages with automatic sizing.

Pages with width: auto are not supported at all.

Pages with height: auto work – with the limitation that notes may run over the bottom of the page as they are not considered by Typst when determining the page height.

There are two workarounds for this: (these can be combined)

- 1. If there is not enough space on the page to fit the notes, you can add some vertical space (#v(__pt)) to make the page taller.
- 2. If there is left-over space above the notes, you can try the following:

```
// at the TOP of your content (before all notes)
// -- this ensures that notes aren't moved below the "barrier"
#let note = note.with(keep-order: true)

/* Your content */

// at the END of your content
// -- this serves as a "barrier" that moves the previous notes up
#context marginalia.note(shift: false, alignment: "top", dy:
marginalia._config.get().clearance, keep-order: true, numbering: none)[]
```

left outer

▲ I.e. moving notes up would make them fit inside the page

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	6 Troubleshooting / Known Bugs		
	 If the document needs multiple passes to figure out page-breaks, it can break the note positioning. This can usually be resolved by placing a #pagebreak() or #pagebreak(weak: true) in an appropriate location. 	This can happen for example with outlines which barely fit/don't fit onto the page.	
	 Relatedly, everything breaks if you try to use pages with width or height set to auto, as this package needs to know the actual measure- ments of the page to figure out where to place stuff. 		
• Notes on the other side are	 Nested notes may or may not work. In nearly all cases, they seem to lead to a "layout did not converge within 5 attempts" warning, so it is probably best to avoid them if possible. 	 In this manual, for example, it works fine (with warnings) here, ⋄ but not on the first page. 	
usually fine though.	 Just use multiple paragraphs in one note, or place multiple notes in the main text instead. If really necessary, use shift: "ignore" on the nested notes and manually set dy. 	Probably because there aren't many other notes around.	
	 If book is true, wideblocks that break across pages are broken. Sadly there doesn't seem to be a way to detect and react to page-breaks from within a block, so I don't know how to fix this. 		
	• If you encounter anything else which looks like a bug to you, please create an "issue" on GitHub if no-one else has done so already.		
	7 Thanks		
	Many thanks go to Nathan Jessurun for their <u>drafting</u> package, which has served as a starting point and was very helpful in figuring out how to position margin-notes.		
	The wideblock functionality was inspired by the one provided in the <u>tufte-memo</u> template.		
	Also shout-out to <u>tidy</u> , which was used to produce the appendix.		
	(This project is not affiliated with https://marginalia-search.com/ , but that is <i>also</i> a cool project.)		

A Detailed Documentation of all Exported Symbols

Breaking Changes

0.2.0

The functions configure() and page-setup() have been combined into one <u>setup()</u> function

A.1 get-left

Returns a dictionary with the keys far, width, sep containing the respective widths of the left margin on the current page. (On both even and odd pages.)

Requires context.

Parameters

```
get-left() → dictionary
```

A.2 get-right

Returns a dictionary with the keys far, width, sep containing the respective widths of the right margin on the current page. (On both even and odd pages.)

Requires context.

Parameters

```
get-right() → dictionary
```

A.3 header

This generates a wideblock() and divides its arguments into three boxes sized to match the margin setup.

Parameters

```
\label{eq:header} \mbox{$h$eader($\underline{text-style}$: dictionary , $\langle \underline{..args} \rangle$, $\underline{even}$: array , $\underline{odd}$: array ) $\rightarrow$ $\underline{content}$}
```

text-style: (:) dictionary Will be used to set the text style.

(..args) Positional

Up to three positional arguments. They are interpreted as (outer), (center)(outer), or (inner)(center)(outer), depending on how many there are.

even: () array

This is ignored if there are positional parameters or if setup.book is false.

Otherwise, it is interpreted as ((outer), (center), (inner)) on even pages.

Functions:

- get-left()
- get-right()
- header()
- note()
- note-numbering()
- notefigure()
- <u>setup()</u>
- show-frame()
- wideblock()

Variables:

- notecounter
- note-markers
- <u>note-markers-alternating</u>

```
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```

MARGINALIA 0.2.4

```
odd: () array
```

This is ignored if there are positional parameters.

Otherwise, it is interpreted as ((inner), (center), (outer)) on odd pages or, if <u>setup.book</u> is <u>false</u>, on all pages.

A.4 note

Create a marginnote. Will adjust it's position downwards to avoid previously placed notes, and upwards to avoid extending past the bottom margin.

Breaking Changes

```
0.1.5
```

- reverse has been replaced with note.side.
- → use `side: "inner"` instead of `reverse: true`
- numbered has been replaced with note.numbering.
- \rightarrow use `numbering: "none"` instead of `numbered: false` 0.2.2
- align-baseline has been replaced with note.alignment.
 - \rightarrow use `alignment: "top"` instead of `align-baseline: false`

Parameters

```
note(
  numbering: none function string,
  anchor-numbering: none auto function string,
  link-anchor: boolean,
  counter: counter none,
  flush-numbering: auto boolean,
  side: auto "outer" "inner" "left" "right",
  alignment: "baseline" "top" "bottom",
  dy: length,
  keep-order: boolean,
  shift: boolean auto "avoid" "ignore",
  text-style: dictionary,
  par-style: dictionary,
  block-style: dictionary function,
  ⟨body⟩: content
)
```

Function or numbering-string to generate the note markers from the notecounter.

- If none, will not step the counter.
- Will be ignored if counter is none.

Examples:

```
    (..i) ⇒ super(numbering("1", ..i)) for superscript numbers<sup>42</sup>
    (..i) ⇒ super(numbering("a", ..i)) for superscript letters<sup>aq</sup>
```

• marginalia.note-numbering.with(repeat: false, markers: ()) for small blue numbers44

```
anchor-numbering: auto none or auto or function or string
```

Used to generate the marker for the anchor (i.e. the one in the surrounding text)

• If auto, will use the given note.numbering.

⁴² E.g. ^{aq} E.g. **44** E.g.

```
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                   MARGINALIA 0.2.4
link-anchor: true
                     boolean
                                 Whether to make have the anchor link to the note.
counter: notecounter
                        counter or none
Counter to use for this note. Can be set to none do disable numbering this note.
Will only be stepped if numbering is not none.
flush-numbering: auto
                        auto or boolean
Disallow note markers hanging into the whitespace.
• If auto, acts like false if note.anchor-numbering is auto.
side: auto
             auto or "outer" or "inner" or "left" or "right"
Which side to place the note. auto defaults to "outer". In non-book documents,
"outer"/"inner" are equivalent to "right"/"left" respectively.
                         "baseline" or "top" or "bottom"
alignment: "baseline"
Vertical alignment of the note.
                                                                                               Bottom

    "bottom" aligns the bottom edge of the note with the main text baseline.

• "baseline" aligns the first baseline of the note with the main text baseline.
                                                                                               Baseline

    "top" aligns the top edge of the note with the main text baseline.

                                                                                               Top
dy: Opt
          length
Inital vertical offset of the note, relative to the alignment point. The note may get shifted
still to avoid other notes depending on note.shift.
keep-order: false
                     boolean
Notes with keep-order: true are not re-ordered relative to one another.
shift: auto
              boolean or auto or "avoid" or "ignore"
Whether the note may get shifted vertically to avoid other notes.
• true: The note may shift to avoid other notes, wide-blocks and the top/bottom margins.
• false: The note is placed exactly where it appears, and other notes may shift to avoid it.
• "avoid": The note is only shifted if shifting other notes is not sufficent to avoid a collision.
  E.g. if it would collide with a wideblock or a note with shift: false.
• "ignore": Like false, but other notes do not try to avoid it.

    auto: true if numbered, "avoid" otherwise.

text-style: (size: 9.35pt, style: "normal", weight: "regular")
                                                                    dictionary
Will be used to set the text style.
par-style: (spacing: 1.2em, leading: 0.5em, hanging-indent: 0pt) dictionary
Will be used to set the par style.
block-style: (width: 100%)
                              dictionary or function
Will be passed to the block containing the note body. If this is a function, it will be called
with "left" or "right" as its argument, and the result is passed to the block.
```

A.5 note-numbering

Format note marker.

Parameters

```
note-numbering(
markers: array,
repeat: boolean,
style: function,
space: auto boolean,
⟨..⟩,
⟨i⟩: int
) → content
```

markers: note-markers-alternating array

```
#for i in array.range(1,15) {
   note-numbering(markers: note-markers, i) }
#for i in array.range(1,15) {
   note-numbering(markers: note-markers-
   alternating, i) }
#for i in array.range(1,15) {
   note-numbering(markers: (), i) }
```

```
◆●■A♥◇○□A♥◆●■A

●○◆◇■□A△♥♥●○◆◇

1 2 3 4 5 6 7 8 9 10 11 12 13 14
```

repeat: true boolean

Whether to (true) loop over the icons, or (false) continue with numbers after icons run out.

```
#for i in array.range(1,15) {
  note-numbering(repeat: true, i) }
#for i in array.range(1,15) {
  note-numbering(repeat: false, i) }
```

```
●○◆◇■□▲△♥♡●○◆◇
●○◆◇■□▲△♥♡1234
```

style: text.with(weight: 900, font: "Inter", size: 5pt, style: "normal", fill: rgb(54%,
72%, 95%)) function

Wrap the symbol in a styled text function.

```
space: auto auto or boolean
```

Whether to add a space of 2pt after the symbol. If auto, a space is only added if it is a number (the symbols have ran out).

A.6 notefigure

Creates a figure in the margin.

Parameters numbering, anchor-numbering, flush-numbering, side, keep-order, shift, text-style, par-style, and block-style work the same as for note().

Breaking Changes

0.1.5

 \bullet reverse has been replaced with $\underline{\text{notefigure.side}}.$

```
\rightarrow use `side: "inner"` instead of `reverse: true`
```

```
anchor-numbering: none auto function string,
  counter: counter none,
  flush-numbering: auto boolean,
  side: auto "outer" "inner" "left" "right",
  alignment: "baseline" "top" "bottom" "caption-top",
  dy: length,
  keep-order: boolean,
  shift: boolean auto "avoid" "ignore",
  text-style: dictionary,
  par-style: dictionary,
  block-style: dictionary function,
  show-caption: function,
  gap: length,
  label: none label,
  (content): content,
  (..figureargs): arguments
) → content
```

Same as note.numbering, but with different default value.

```
anchor-numbering: auto none or auto or function or string
```

Used to generate the marker for the anchor (i.e. the one in the surrounding text)

• If auto, will use the given notefigure.numbering.

```
counter: notecounter counter or none
```

Counter to use for this note. Can be set to none do disable numbering this note.

Will only be stepped if numbering is not none.

```
flush-numbering: auto auto or boolean
```

Disallow note markers hanging into the whitespace.

• If auto, acts like false if note.anchor-numbering is auto.

```
side: auto or "outer" or "inner" or "left" or "right"
```

Which side to place the note. auto defaults to "outer". In non-book documents, "outer"/"inner" are equivalent to "right"/"left" respectively.

```
alignment: "baseline" "baseline" or "top" or "bottom" or "caption-top"
```

Vertical alignment of the notefigure.

- "top", "bottom" work the same as note.alignment.
- "baseline" aligns the first baseline of the *caption* with the main text baseline.
- "caption-top" aligns the top of the caption with the main text baseline.

Figure 13: Baseline

Figure 14: Caption-top

```
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```

```
dy: Opt length
```

Inital vertical offset of the notefigure, relative to the alignment point.

The notefigure may get shifted still to avoid other notes depending on notefigure.shift.

```
text-style: (size: 9.35pt, style: "normal", weight: "regular") dictionary

Will be used to set the text style.

par-style: (spacing: 1.2em, leading: 0.5em, hanging-indent: 0pt) dictionary

Will be used to set the par style.

block-style: (width: 100%) dictionary or function
```

Will be passed to the block containing the note body (this contains the entire figure). If this is a function, it will be called with "left" or "right" as its argument, and the result is passed to the block.

```
show-caption: (number, caption) ⇒ {
   number
   caption.supplement
[ ]
   caption.counter.display(caption.numbering)
   caption.separator
   caption.body
} function
```

A function with two arguments, the (note-)number and the caption. Will be called as the caption show rule.

If notefigure.numbering is none, number will be none.

```
gap: 0.55em length
```

Pass-through to #figure(), but used to adjust the vertical position.

label: none or label A label to attach to the figure.

```
(content) content Positional
```

The figure content, e.g. an image. Pass-through to #figure(), but used to adjust the vertical position.

```
(..figureargs) arguments Positional Pass-through to #figure().
(E.g. caption)
```

A.7 setup

This will update the marginalia config and setup the page with the provided config options. (This means this will insert a pagebreak.)

```
Use as
```

```
#show: marginalia.setup.with(/* options here */)
```

The default values for the margins have been chosen such that they match the default typst margins for a4. It is strongly recommended to change at least one of either inner or outer to be wide enough to actually contain text.

Breaking Changes

0.1.5

- numbering has been replaced with notefigure.numbering.
 - → set `numbering: /**/` directly on your notes instead of via <u>setup()</u>.
 Use #let note = note.with(numbering: /**/) for consistency.
- flush-numbers has been replaced by note.flush-numbering.
 - → set `flush-numbering: true` directly on your notes instead of via <u>setup()</u>.
 Use #let note = note.with(flush-numbering: /**/) for consistency.

0.2.0

This function does no longer apply the configuration partially, but will reset all unspecified options to the default. Additionally, it replaces the page-setup() function that was needed previously and is no longer called configure()

Parameters

```
setup(
  inner: dictionary,
  outer: dictionary,
  top: length,
  bottom: length,
  book: boolean,
  clearance: length,
  ⟨body⟩: content
)
```

inner: (far: 5mm, width: 15mm, sep: 5mm) dictionary

Inside/left margins.

- far: Distance between edge of page and margin (note) column.
- width: Width of the margin column.
- sep: Distance between margin column and main text column.

The page inside/left margin should equal far + width + sep.

If partial dictionary is given, it will be filled up with defaults.

```
outer: (far: 5mm, width: 15mm, sep: 5mm) dictionary

Outside/right margins. Analogous to inner.
```

top: 2.5cm length Top margin.

bottom: 2.5cm length Bottom margin.

book: false boolean

- If true, will use inside/outside margins, alternating on each page.
- If false, will use left/right margins with all pages the same.

clearance: 12pt length

Minimal vertical distance between notes and to wide blocks.

A.8 show-frame

Adds lines to the page background showing the various vertical and horizontal boundaries used by marginalia.

To be used in a show-rule:

```
#show: marginalia.show-frame
Parameters
  show-frame(
    stroke: color,
    header: boolean,
    footer: boolean,
    ⟨body⟩: content
  ) → content
stroke: 0.5pt + luma(90%)
Stroke for the lines.
#show: marginalia.show-frame.with(stroke: 2pt + red)
header: true
               boolean
                            Set to false to hide the header line
                            Set to false to hide the footer line
footer: true
               boolean
```

A.9 wideblock

Creates a block that extends into the outside/right margin.

Note: This does not handle page-breaks sensibly. If config.book = false, this is not a problem, as then the margins on all pages are the same. However, when using alternating page margins, a multi-page wideblock will not work properly. To be able to set this appendix in a many-page wideblock, this code was used:

```
#show: marginalia.setup.with(..config, book: false)
#wideblock(side: "inner")[...]
```

Breaking Changes

0.1.5

• reverse and double have been replaced with wideblock.side.

```
→ use `side: "inner"` instead of `reverse: true`
→ use `side: "both"` instead of `double: true`
```

Parameters

```
wideblock(
    side: auto "outer" "inner" "left" "right" "both",
    ⟨body⟩: content
  ) → content
             auto or "outer" or "inner" or "left" or "right" or "both"
side: auto
```

Which side to extend into. auto defaults to "outer". In non-book documents, "outer"/"inner" are equivalent to "right"/"left" respectively.

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A.10 notecounter counter

The default counter used for the note icons.

If you use <u>note-numbering()</u> without <u>note-numbering.repeat</u>, it is recommended you reset this occasionally, e.g. per heading or per page.

notecounter.update(1)

A.11 note-markers

Icons to use for note markers.

A.12 note-markers-alternating

Icons to use for note markers, alternating filled/outlined.