

Guide: Progressive Outline

1 Function documentation

This section details all the parameters available for the progressive-outline function.

Option	Type	Effect & Expected Values
level-X-mode	string	Defines the visibility of level X (1, 2, or 3). Values: "all", "current", "current-parent", "none".
text-styles	dict	Dictionary of Typst text(...) styles for each level. Structure: (level-X: (active: (...), inactive: (...))).
spacing	dict	Controls vertical space (v-between-X-Y) and horizontal indentation (indent-X) between elements.
show-numbering	bool	Enables or disables the display of heading numbering.
numbering-format	str func	Typst numbering format (e.g., "1.1") or custom function (..n) =>

2 Visibility

This section covers the level-X-mode parameters.

2.1 The ‘current-parent’ mode

The current-parent mode is the most powerful: it only displays the “siblings” of the current element. This allows you to see the plan of the current section without being distracted by other chapters.

```
progressive-outline(  
  level-1-mode: 'all',  
  level-2-mode: 'current-parent'  
)
```

Visibility Demonstration H2

Function documentation

Visibility

- The ‘current-parent’ mode
- Isolation via ‘current’ mode
- Deep nesting (Level 3)

Style Customization

- Fine-grained spacing management
- Numbering system

Additional information

2.2 Isolation via ‘current’ mode

If you want an ultra-minimalist rendering, the current mode hides everything except the exact entry where you are located.

```
progressive-outline(  
  level-1-mode: 'current',  
  level-2-mode: 'none'  
)
```

Isolated Visibility Demonstration

Visibility

2.3 Deep nesting (Level 3)

For complex structures, you can enable Level 3. Using current-parent will show siblings at the current depth.

2.3.1 Deep Component A

2.3.2 Deep navigation test

```
progressive-outline(  
  level-2-mode: 'all',  
  level-3-mode: 'current-parent'  
)
```

Level 3 Siblings

Function documentation

Visibility

The 'current-parent' mode

Isolation via 'current' mode

Deep nesting (Level 3)

Deep Component A

Deep navigation test

Style Customization

The anti-jitter mechanism

Colors and decorations

Fine-grained spacing management

Inter-level spacing

Horizontal indentation

Numbering system

Complex hierarchical formats

Advanced textual prefixes

Additional information

3 Style Customization

The function allows you to modify the appearance of headings based on their state (active/inactive).

3.1 The anti-jitter mechanism

Anti-jitter ensures that switching from a thin font to a bold one doesn't move the text. We use a ghost box to reserve the maximum space required.

```
text-styles: (  
  level-1: (  
    active: (weight: 'black', fill:  
eastern, size: 1.2em),  
    inactive: (weight: 'light', fill:  
gray, size: 1.2em)  
  )  
)
```

Stability Test H1

Function documentation

Visibility

Style Customization

Fine-grained spacing management

Numbering system

Additional information

3.2 Colors and decorations

Each level can have its own rules for colors, italics, or bold.

```
text-styles: (
  level-2: (
    active: (style: 'italic', fill: blue,
weight: 'bold'),
    inactive: (fill: luma(200))
  )
)
```

Creative Style H2

Function documentation

Visibility

The 'current-parent' mode
Isolation via 'current' mode
Deep nesting (Level 3)

Style Customization

The anti-jitter mechanism
Colors and decorations

Fine-grained spacing management

Inter-level spacing
Horizontal indentation

Numbering system

Complex hierarchical formats
Advanced textual prefixes

Additional information

4 Fine-grained spacing management

The spacing dictionary sculpts the rhythm.

4.1 Inter-level spacing

You can define the exact space between an H1 heading and an H2 heading, or between two headings of the same level.

```
spacing: (
  v-between-1-1: 2em,
  v-between-1-2: 1.2em,
  v-between-2-2: 0.8em,
  v-between-2-1: 1.5em
)
```

Airy Vertical Rhythm

Function documentation

Visibility

The 'current-parent' mode
Isolation via 'current' mode
Deep nesting (Level 3)

Style Customization

The anti-jitter mechanism
Colors and decorations

Fine-grained spacing management

Inter-level spacing
Horizontal indentation

Numbering system

Complex hierarchical formats
Advanced textual prefixes

Additional information

4.2 Horizontal indentation

Indentation defines the offset to the right for each depth level.

```
spacing: (  
  indent-2: 3em,  
  indent-3: 6em  
)
```

Marked Indentation

Function documentation

Visibility

The 'current-parent' mode

Isolation via 'current' mode

Deep nesting (Level 3)

Deep Component A

Deep navigation test

Style Customization

The anti-jitter mechanism

Colors and decorations

Fine-grained spacing management

Inter-level spacing

Horizontal indentation

Numbering system

Complex hierarchical formats

Advanced textual prefixes

Additional information

5 Numbering system

The function relies on Typst's native engine.

5.1 Complex hierarchical formats

The `numbering-format` parameter accepts all standard Typst models (1, a, i, I, A).

```
show-numbering: true,  
numbering-format: 'I.a.1. '
```

Legal Format

I. Function documentation

II. Visibility

II.a. The 'current-parent' mode

II.b. Isolation via 'current' mode

II.c. Deep nesting (Level 3)

II.c.1. Deep Component A

II.c.2. Deep navigation test

III. Style Customization

III.a. The anti-jitter mechanism

III.b. Colors and decorations

IV. Fine-grained spacing management

IV.a. Inter-level spacing

IV.b. Horizontal indentation

V. Numbering system

V.a. Complex hierarchical formats

V.b. Advanced textual prefixes

VI. Additional information

5.2 Advanced textual prefixes

To use long words like "Chapter" without errors, pass a function. This prevents Typst from interpreting letters like 'a' or 'i' as numbering models.

```
show-numbering: true,  
numbering-format: (..n) => 'Chapter ' +  
numbering('1', ..n) + ' : '
```

Secure 'Chapter' Prefix

Chapter 1 : Function documentation

Chapter 2 : Visibility

Chapter 3 : Style Customization

Chapter 4 : Fine-grained spacing management

Chapter 5 : Numbering system

Chapter 6 : Additional information

6 Additional information

It is optimized to work within presentation themes (like progressive-outline), but can be used in any standard Typst document.