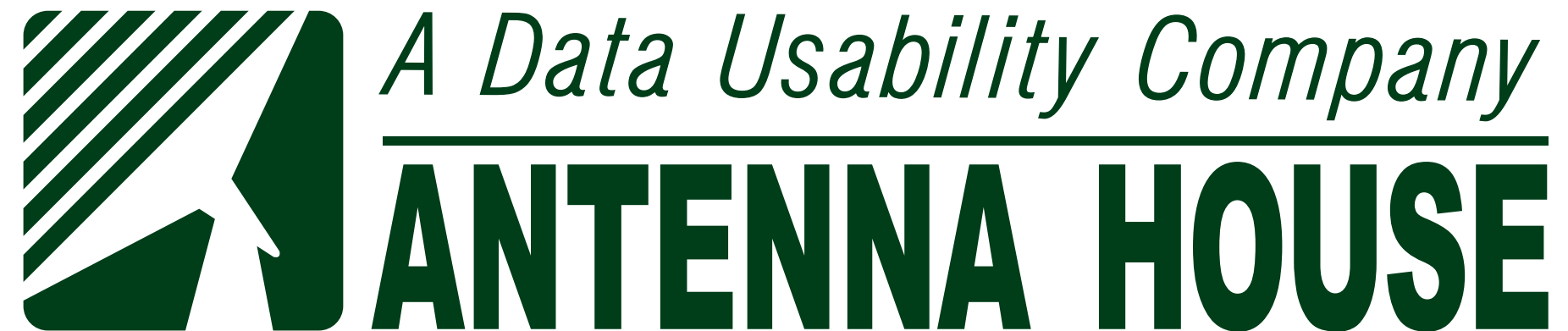


AH Formatter Developer Support

XML Prague 2022

9 June 2022

Tony Graham
Antenna House
tgraham@antenna.co.jp
tony@antennahouse.com
@tgraham_antenna
<https://www.antennahouse.com>



AH Formatter Developer Support

- AH Formatter GUI
- Samples and books
- Oxygen
- Visual Studio Code
- AHRTS
- Support

AH Formatter GUI



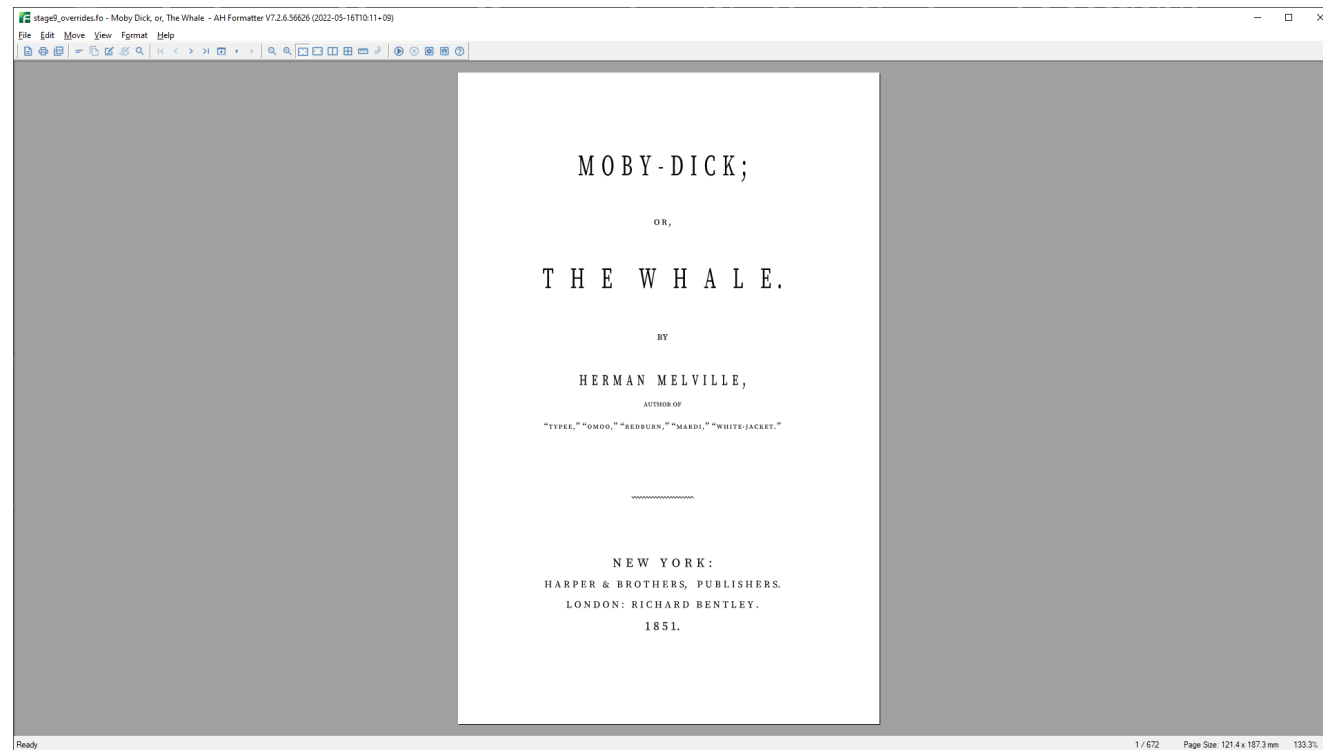
- Graphical preview of formatted document
- Drag-and-drop source and stylesheet
- Set output options, PDF version, etc.
- Open document, stylesheet, Area Tree XML, option setting file in editor
- Reload hyphenation dictionary

AH Formatter GUI Preview

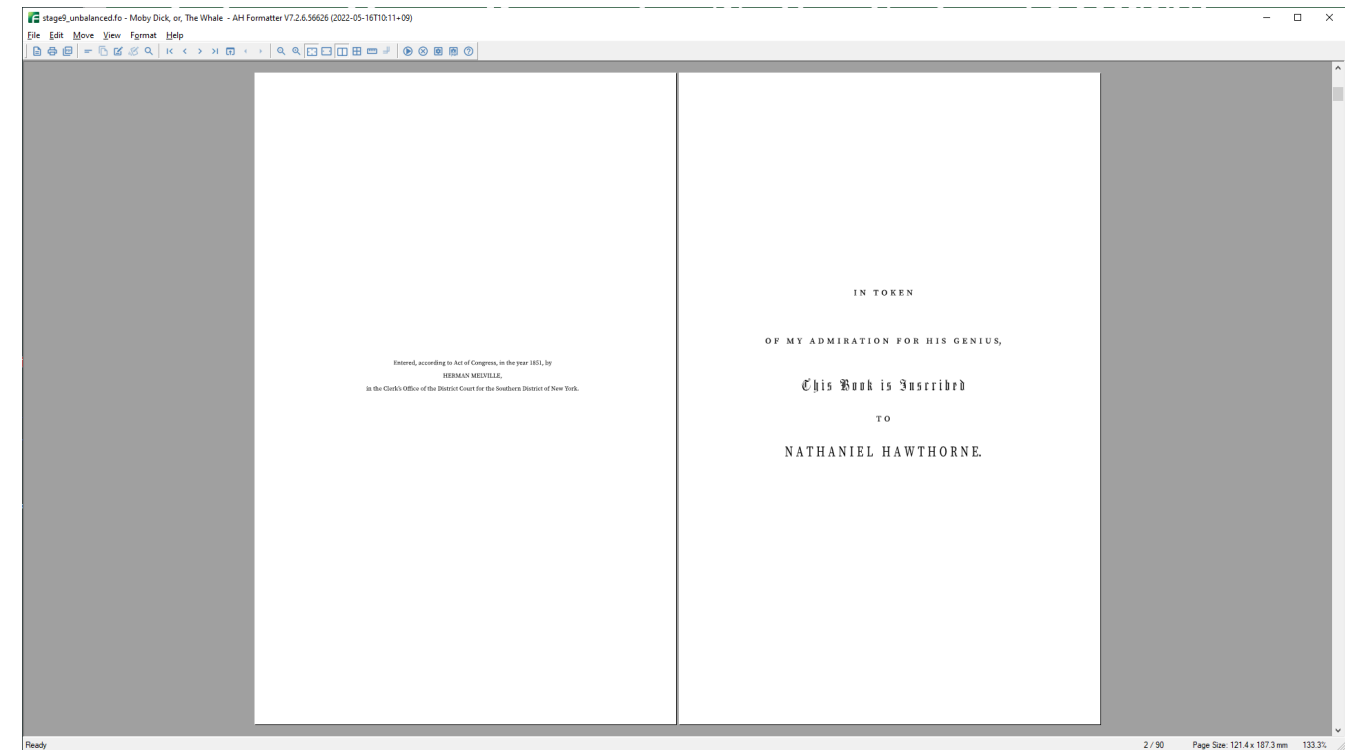
- Borders
- Font information
- Rulers

AH Formatter GUI Page views

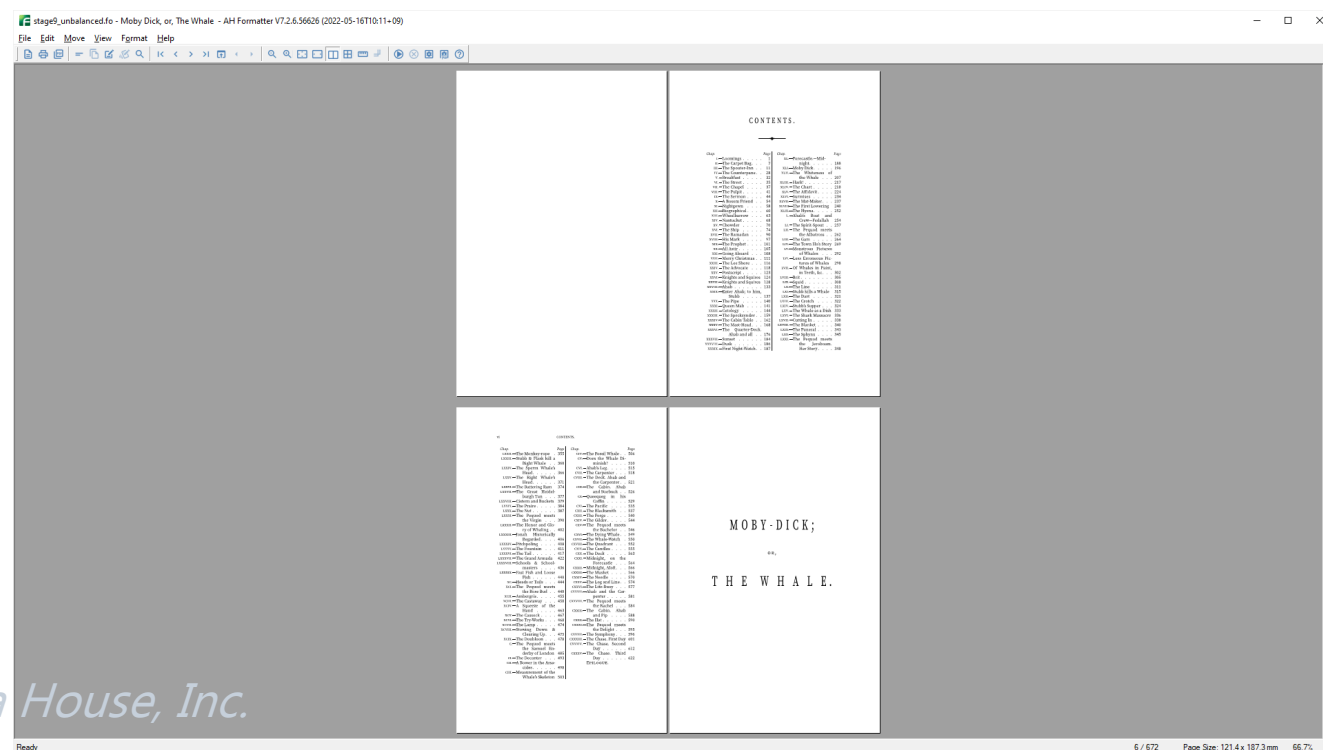
Single page



Spread



Continuous



Multi-page




Samples and Books

- Online manual
- XSL-FO samples collection
- Tips & tricks
- “Introduction to CSS for Paged Media”
- “Mastering Antenna House XSL Formatter Extensions”
- XSL Stylesheet Examples

Online Manual

<https://www.antenna.co.jp/AHF/help/en/>

- Interface descriptions
- Output format descriptions
- Conformance
- Features
- Add-ons
- Technical information



<ul style="list-style-type: none">• Overview• Interfaces<ul style="list-style-type: none">◦ Graphical User Interface◦ Command-line Interface◦ .NET Interface◦ COM Interface◦ Java Interface◦ C/C++ Interface	<ul style="list-style-type: none">• Output Formats<ul style="list-style-type: none">◦ PDF Output◦ SVG Output◦ PostScript® Output◦ XPS Output◦ Word(docx) Output◦ TEXT Output• Conformance<ul style="list-style-type: none">◦ XSL-FO Conformance◦ CSS Conformance◦ SVG Conformance◦ MathML Conformance◦ CGM Conformance	<ul style="list-style-type: none">• Features<ul style="list-style-type: none">◦ XSL/CSS Properties◦ XSL/CSS Extensions◦ Float Extension◦ Ruby Extension◦ Spread Page Master Extension◦ Automated Analysis• Add-ons<ul style="list-style-type: none">◦ Barcode Generator Option◦ PANTONE® Option	<ul style="list-style-type: none">• Technical<ul style="list-style-type: none">◦ Option Setting File◦ Fonts◦ Graphics◦ Hyphenation◦ Environment Variables◦ Symbolic Links◦ Installed Modules◦ Error Messages◦ Technical Notes• Index
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Online Manual

- Links to samples
- Code samples to copy

拾 : U+62FE : 10
佰 : U+4F70 : 100
阡 : U+9621 : 1000
萬 : U+842C : 10⁴

XSL-FO Samples Collection
Counter styles
Introduction to CSS for Paged Media
@counter-style

<axf:counter-style> / CSS @counter-style no-LT

With **AH Formatter V7.2**, unique counter style can be defined. For details about the CSS specification, see [CSS Counter Styles Level 3](#). This function is not available with **AH Formatter V7.2 Lite**.

Common Usage:

Defining custom counter styles. This element does not generate area.

Areas:

None.

Constraints:

```
<!ELEMENT axf:counter-style EMPTY>
<!ATTLIST axf:counter-style name          CDATA #REQUIRED>
<!ATTLIST axf:counter-style system       CDATA "symbolic">
```

Copy to clipboard

Copy

XSL-FO Samples Collection

<https://www.antennahouse.com/xsl-fo-samples>

- Over 220 samples
- 15 categories
- XSL FOs and properties plus AH Formatter extensions

Categories

- Page Region
- Page Numbers
- Blocks
- Tables
- Floats
- Lines
- Characters
- Languages
- Graphics
- PDF Features
- Color
- Barcode
- Ruby

XSL-FO Samples Collection

AH Formatter is used in production in various industries with a wide range of requirements. Check out our some of our [use cases](#) and [extensive examples](#) for what you can do with AH Formatter. We also offer guides for [XSL-FO extensions](#) and [CSS samples](#).

Need more examples? [Contact us](#) to request new samples that you'd like to see.

Page Region and Structure

Page region, width and height, columns, footnote, etc.


XSL Standard Specification		
Explaining each region in a page (<fo:region-?>)	PDF	FO
Creating regions in a body region, combination of columns, footnotes and floats (<fo:float>, <fo:footnote>, column)	PDF	FO
Writing direction in the region-start/end (writing-mode, reference-orientation)	PDF	FO
Switching between right and left page layouts (<fo:page-sequence-master>)	PDF	FO
Page masters for first, last, and only pages (<fo:page-sequence-master>, <fo:repeatable-page-master-alternatives>, <fo:conditional-page-master-reference>, page-position)	PDF	FO
Page master for blank pages (<fo:page-sequence-master>, <fo:conditional-page-master-reference>, blank-or-not-blank)	PDF	FO
Positioning Background Image (background-position, background-image)	PDF	FO
Multiple columns (column-count)	PDF	FO

XSL-FO Samples Collection

- Description of FOs, properties, or functions
- Examples
- Download source to see usage
- Property values (usually) also apply in CSS

Drop Caps

Using `axf:initial-letters`, creates [Drop Capitals](#). Drop Capitals is a layout technique that enlarges the first character of a paragraph. This feature is available in AH Formatter V7.0 or later.

<p><code>axf:initial-letters="3"</code> Specify the letter size as 3 lines</p> <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Fusce sit amet risus ut sapien vehicula aliquam molestie vitae lacus. In aliquam sem quis suscipit iaculis.</p>	<p><code>axf:initial-letters="3 adjacent"</code> Indent all the lines in block</p> <p>Zorem ipsum dolor sit amet, consectetur adipiscing elit. Fusce sit amet risus ut sapien vehicula aliquam molestie vitae lacus. In aliquam sem quis suscipit iaculis.</p>
<p>Image as initial letter</p> <p> Lorem ipsum dolor sit amet, consectetur adipiscing elit. Fusce sit amet risus ut sapien vehicula aliquam molestie vitae lacus. In aliquam sem quis suscipit iaculis.</p>	<p>Languages written right-to-left</p> <p>וְאֵילֵּי הַכְּבוֹד הַטְּבַעִי אֲשֶׁר לְכָל בְּנֵי מִשְׁפַּחַת הָאָדָם וּבִזְכוּיֹתֵיהֶם הַשְׁוֹת וְהַבְּלִתִּי נִפְקָעוֹת הוּא יִסוֹד הַחֹפֶשׁ, הַצֶּדֶק וְהַשְׁלוֹם בְּעוֹלָם.</p>

Tips & Tricks

Antenna House Tips & Tricks

Optimizing AH Formatter Performance

Antenna House

May 11, 2022

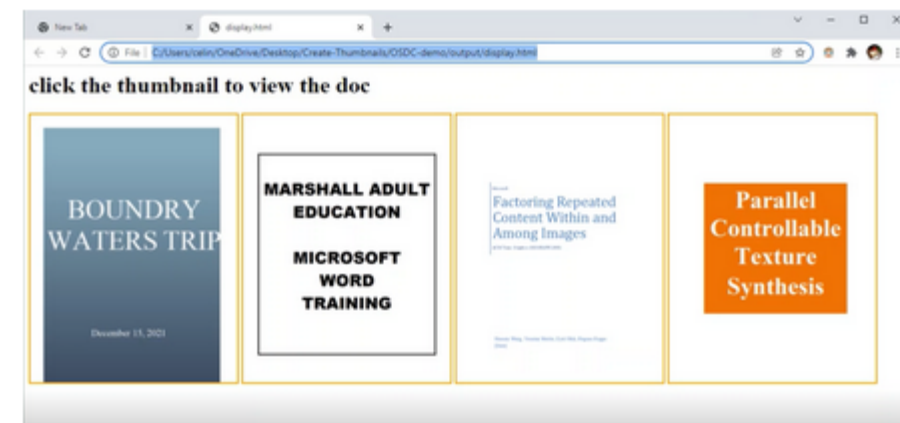
We get a lot of questions about how we measure performance or optimize performance for AH Formatter while generating PDFs, so here are some tips ...

[READ MORE](#)

How To: Create Thumbnails with OSDC

Antenna House

January 14, 2022



Do you need to convert your Word documents to PDF and also create thumbnails? You can do it with OSDC! Here is a quick demo:

[READ MORE](#)

PDF Techniques for Web Content Accessibility

Guidelines 2.0 [Updated]

Antenna House

October 5, 2021

AH Formatter implements a combination of FOs and properties from XSL 1.1 plus Antenna House extensions that allow you to use the accessibility ...

[READ MORE](#)

<https://www.antennahouse.com/tips-tricks>

- Tips for using Antenna House products
- Other useful information

Introduction to CSS for Paged Media

<https://www.antennahouse.com/css>


- PDF and HTML+CSS source for 210-page book
- Review source to see how to use CSS properties and AH Formatter extensions

INTRODUCTION TO
CSS
FOR PAGED MEDIA

Antenna House, Inc.
A Data Usability Company
ANTENNA HOUSE

Introduction to CSS for Paged Media

3 Differences in trimming of successive pages of a previous edition that was commercially printed



Bleed region width: 'bleed'

- Initial value: 0
- Applies to: @page
- Inherited: no

Specifies the width of the bleed region for trimming. The value is a <length>. The bleed region extends outwards from the page box. By specifying a negative value for the margin of a page-margin box (see Page-Margin Boxes (page 35)), the margin box can be extended into the bleed region.

If the value of 'bleed' is greater than the value of '-ah-crop-offset', then '-ah-crop-offset' is adjusted to match the 'bleed' value.

Per-side Bleed Properties: 'bleed-top'/'bleed-right'/'bleed-bottom'/'bleed-left'

- Initial value: 0
- Applies to: @page
- Inherited: no

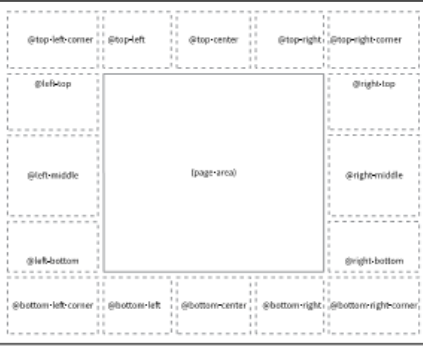
Each property specifies the width of the top, right, bottom, or left bleed region of the page. The value is a <length>. When 'bleed' is also specified, these individual properties have priority.

4 HEADERS & FOOTERS

Headers and footers are formatted in the 16 page-margin boxes at the page edge.

Page-Margin Boxes

Page-margin boxes are named according to their position around the page, as follows: @top-left-corner, @top-left, @top-center, @top-right, @top-right-corner, @left-top, @left-middle, @left-bottom, @right-top, @right-middle, @right-bottom, @bottom-left-corner, @bottom-left, @bottom-center, @bottom-right, and @bottom-right-corner.



Location of each page margin box

The page header and page footer are assigned to page-margin box areas around the page.

```
@page {
  /* page header */
  @top-right {
    content: "Sample";
  }
  /* page footer */
  @bottom-center {
    content: counter(page);
  }
}
```

Each page-margin box has a default alignment.

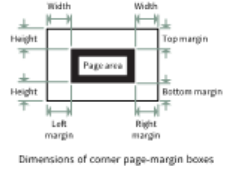
Page-margin box	text-align	vertical-align
@top-left-corner	right	middle
@top-left	left	middle
@top-center	center	middle
@top-right	right	middle
@top-right-corner	left	middle
@left-top	center	top
@left-middle	center	middle
@left-bottom	center	bottom
@right-top	center	top
@right-middle	center	middle
@right-bottom	center	bottom
@bottom-left-corner	right	middle
@bottom-left	left	middle
@bottom-center	center	middle
@bottom-right	right	middle
@bottom-right-corner	left	middle

Page-margin box dimensions

A page-margin box that has content is 'generated' and is considered in width and height calculations. Otherwise, no box is generated for it, similarly to an element with display: none.

How to determine the dimensions of a page-margin box (for which the 'width' and 'height' properties are both 'auto') can be divided into three categories:

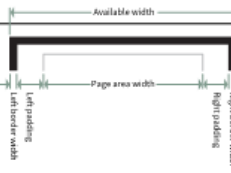
- @top-left, @top-right, @bottom-left, @bottom-right: The dimensions of the containing block are determined by the margins that intersect at that corner.



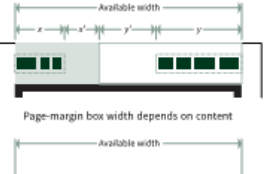
Dimensions of corner page-margin boxes

- @top-left, @top-center, @top-right, @bottom-left, @bottom-center, @bottom-right

Width is determined by considering the relative minimum and maximum formatted widths of each of the page-margin boxes on that side and dividing the available width accordingly. If the center page-margin box is generated, it will always be centered in the available width, and the left and right page-margin boxes will have equal width. Otherwise, all of the available width is divided between the left and right page-margin boxes.



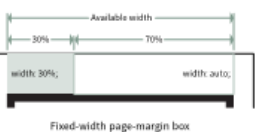
Available width for horizontal left, center, and right page-margin boxes



Available height for vertical top, middle, and bottom page-margin boxes

The 'width', 'min-width', 'max-width', 'height', 'min-height', and 'max-height' properties apply to page-margin boxes and can affect or override the default calculations:

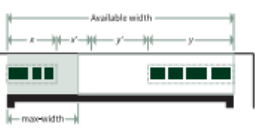
- Specifying 'width' or 'height' directly determines the width or height, respectively, of the page-margin box. The width, or height, of related page-margin boxes with width: auto; or height: auto; are resolved such that the page-margin boxes fill the available width or height.



Fixed-width page-margin box

- Height is determined by the used page margin.
- @left-top, @left-middle, @left-bottom, @right-top, @right-middle, @right-bottom

- Width is determined by the used page margin.
- Height is determined by considering the relative minimum and maximum formatted heights of each of the page-margin boxes on that side and dividing the available height accordingly. If the middle page-margin box is generated, it will always be centered in the available height, and the top and bottom page-margin boxes will have equal height. Otherwise, all of the available height is divided between the left and right page-margin boxes.



'max-width' and 'min-width' may alter page-margin box widths

Specifying 'min-width' (or 'min-height') may cause the current result to be revised: if any of the page-margin boxes are less than their specified 'min-width' (or 'min-height') value, then the calculation is repeated using the specified value.

Page-margin box properties

See PAGE BOX AND PAGE-MARGIN BOX CSS PROPERTIES (page 178) for the CSS properties that apply to a page-margin box. AH Formatter provides some additional properties.

Running Headers and Page Numbers

Running header setting: 'string-set' property and 'string()' function

Character strings from the headings in the main body can be displayed in the page header.

```
@page {
  @top-left {
    /* Use the value of the 'Chapter' named string. */
    content: string(Chapter);
  }
}

hl {
  @string-set: Chapter content(Chapter); /* Set 'Chapter'. */
}
```

Variable strings: 'string-set'

- Initial value: 'none'
- Applies to: all elements, but not pseudo-elements
- Inherited: no

Use the 'string-set' property to make a named variable for a string. The 'string-set' value is pairs of a variable name and followed by the content list stored in the named string. Strings defined with 'string-set' can be referenced in running headers.

The content list may be one or more of the following, in any order:

- 'string': A string.
- 'counter()': A 'counter()' function. See 16. COUNTERS (page 125) for details.
- 'counters()': A 'counters()' function.
- 'content()': A 'content()' function. Allowed values are:
 - 'content': string value of the element
 - 'content-before': string value of the 'before' pseudo-element
 - 'content-after': string value of the 'after' pseudo-element
 - 'content(alt)': string value of the 'alt' attribute
 - 'content(attr-name)': string value of the 'attr-name' attribute

Move elements to header/footer: 'running()' position value

Use position: running(name); to make an element available for display in a page-margin box. The 'name' the name by which the element is referred to in 'element()' functions.

An element with position: running(name); is not shown in its natural place: it is treated as if display: none; had been set. The element inherits from its original position in the document, but does not display there.

```
p, title {
  /* Use as the 'Title' running element. */
  position: running(Title);
}
/* Override the inherited 'text-indent' for 'p'.
  Otherwise, the content in the header would have the indent. */
text-indent: 0;
```

Insert a running element: 'element()'

Used to copy a running element into a page-margin box.

Elements taken out of their natural place using position: running(name); are referenced as content: element(name); in page-margin boxes. The content returned by 'element()' is the element, its pseudo-elements and its descendants. Unlike 'string()', 'element()' cannot be combined with any other values.

A running element inherits through its normal place in the document. The required first value is the name of the running element.

```
/* Title in left-hand page header. */
@top-left {
  content: element(Title);
}
```

If multiple elements on one page each set the value of a running element using the same name, then the running element may have several values on that page. The optional second argument of 'element()' specifies which of the possible values to use:

- 'start': use the named string's entry value (the assignment in effect at the end of the previous page) for that page.
- 'first': if there are any assignments on the page, use the value of the first assignment, otherwise use the entry value.
- 'last': use the named string's exit value (the assignment in effect at the end of the current page) for the page.
- 'first-exception': similar to 'first', except that the empty string is used on the page where the value is assigned. This can be used, for example, to not repeat the chapter title in the header of the first page of a chapter.

```
@page index:right {
  @top-left { /* First index term on the page. */
    content: string(IndexTerms, First);
  }
}

@page index:right {
  @top-right { /* Last index term on the page. */
    content: string(IndexTerms, Last);
  }
}
```

Page number: counter(page)

'counter(page)' is used for generating page numbers. 'counter()' was defined by CSS 2.1, but in CSS 3, a preassigned counter for page numbers was introduced in the page context. The counter is incremented by 1 on every page of the document, unless the 'counter-increment' property in the page context explicitly specifies a different increment for the 'page' counter.

```
@page {
  @top-right {
    content: "Page " counter(page);
  }
}
```

AH Formatter allows 'physical' and 'reverse' keywords after 'page'. The generated page number is then either the physical page number or the number of pages to the end of the page sequence, respectively.

Total pages: counter(pages)

A counter named 'pages' is automatically available. Its value is always the total number of pages in the document. The value of 'pages' cannot be manipulated: 'counter-reset' and 'counter-increment' statements that set it are valid, but they have no effect.

The total page count can be output together with the current page number, for example "Page 57 of 210".

```
@page {
  @top-right {
    /* Physical page number and total number of pages. */
    content: "Page " counter(page) physical " of " counter(pages);
  }
}
```

Headers and Footers Based on Page Position: 'left', 'right', 'first', and 'blank'

You can set the page margins as well as the content and style of page-margin boxes for a page based on its position or, using the 'blank' pseudo-class, based on whether or not it has any content. You can, for example, set different headers for left and right pages. These may be different again for the first page. You can also hide the titles and page number from the left-hand side of the left pages and the right-hand side of the right pages when it is the first page.

When used together with named pages, the style of the left and right pages and of the first page of each named page can be specified. The pseudo-classes may also

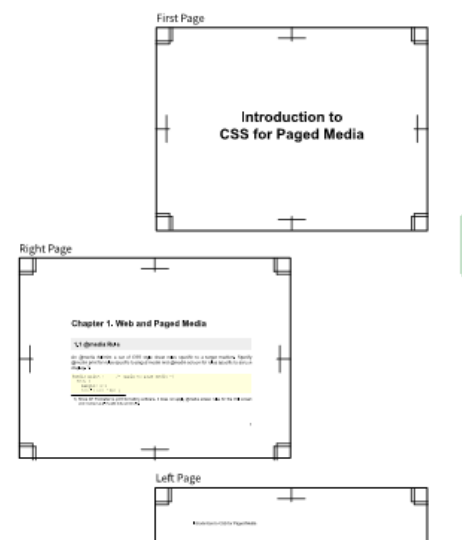
be combined. This makes it possible, for example, to make a separate page rule for a blank left-hand page.

```
/* Left-hand page */
@page Chapter:blank {
  @top-left {
    /* book title in the running head of the left page */
    content: string(Title);
  }
  @bottom-left { /* page number */
    content: counter(page);
  }
}

/* Right-hand page */
@page Chapter:right {
  @top-right {
    /* section title in the running head of the right page */
    content: string(Section);
  }
  @bottom-right { /* page number */
    content: counter(page);
  }
}

/* First page of a Chapter */
@page Chapter:first {
  /* hide page header */
  @top-right { content: none; }
  @top-left { content: none; }
}

/* Blank page between Preface and ToC */
@page Preface:blank {
  @bottom-left { content: none; }
  @bottom-right { content: none; }
}
```



First Page

Right Page

Left Page

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Mastering Antenna House XSL Formatter Extensions

Mastering Antenna House XSL Formatter Extensions



- www.antennahouse.com/xsl-extensions-guide
- First edition – 25 May 2022
- Released in time for XML Prague 2022
- “This first edition guide features Antenna House XSL Formatter extensions that were created in response to our users’ specialized layout requirements and provides examples of a variety of documents formatted with XSL-FO.”

Mastering Antenna House XSL Formatter Extensions

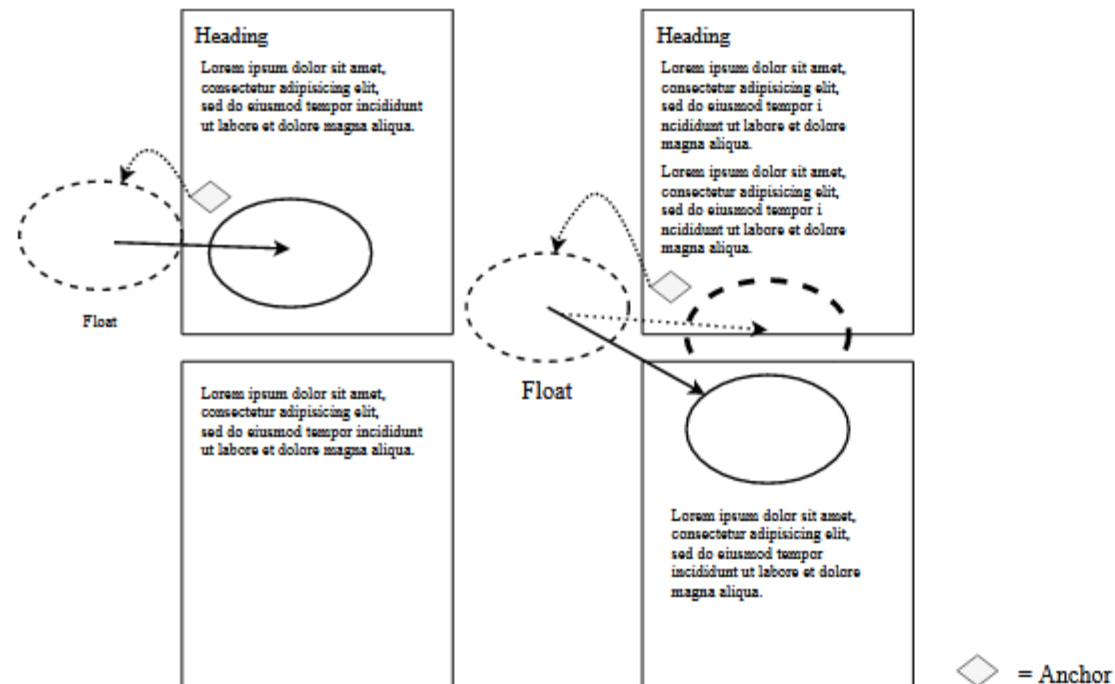


Figure 2.9-1 When sufficient space is available (left) and when not available (right)

2.9.1 Reference area

You can specify the reference area in which to place the float.

Property	<code>axf:float-reference</code>
Value	<code>auto</code> <code>normal</code> <code>page</code> <code>column</code> <code>multicol</code>
Initial	<code>auto</code>
Applies to	<code>fo:float</code>

`axf:float-reference` specifies the reference area for the float [Figure 2.9-2] (p.147).

<code>axf:float-reference</code>	Definition
<code>auto</code> , <code>normal</code>	Current reference area.
<code>page</code>	Page (body region).
<code>column</code>	Column.
<code>multicol</code>	The reference area is all columns. The float can span fewer than all of the columns.

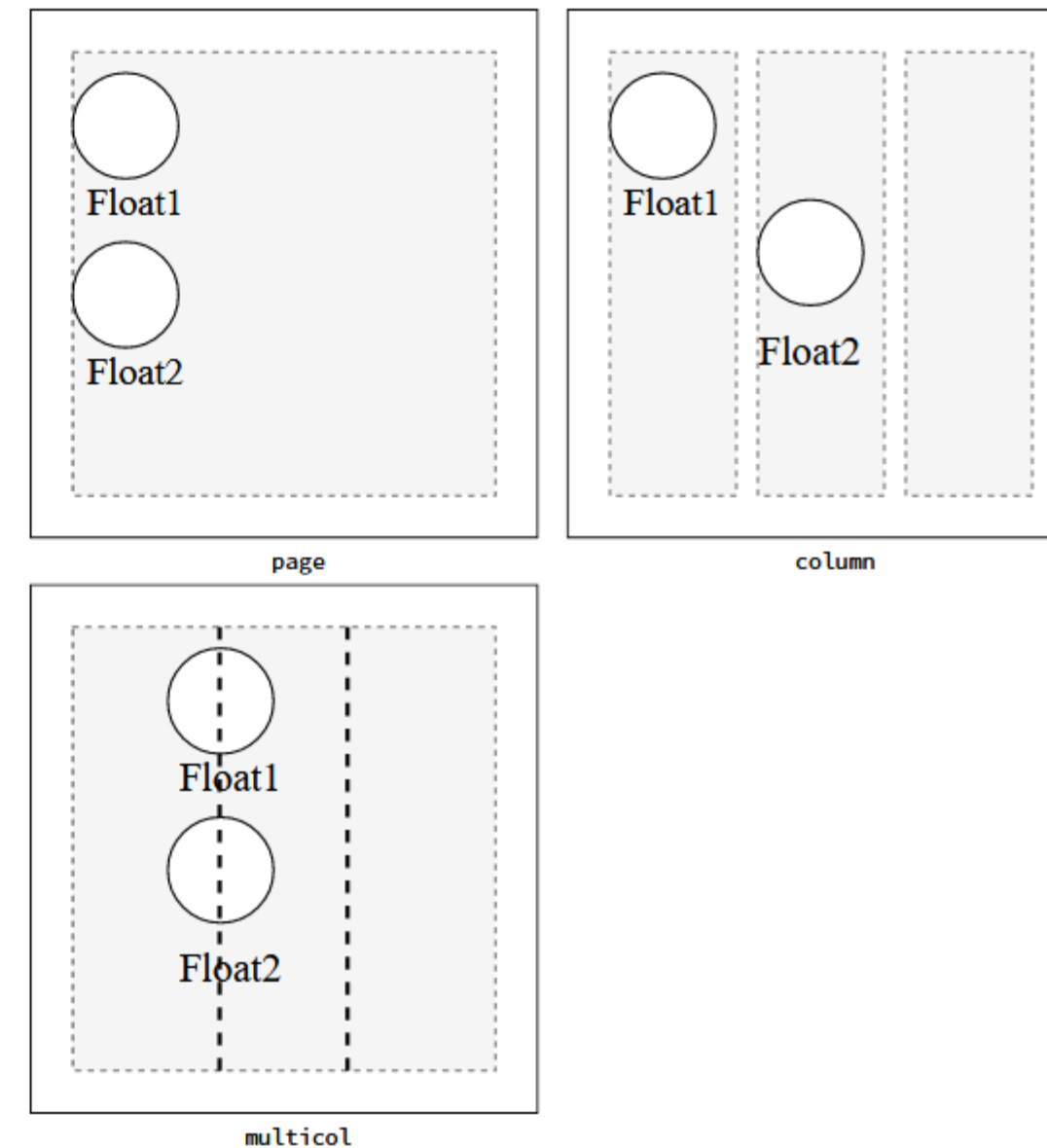
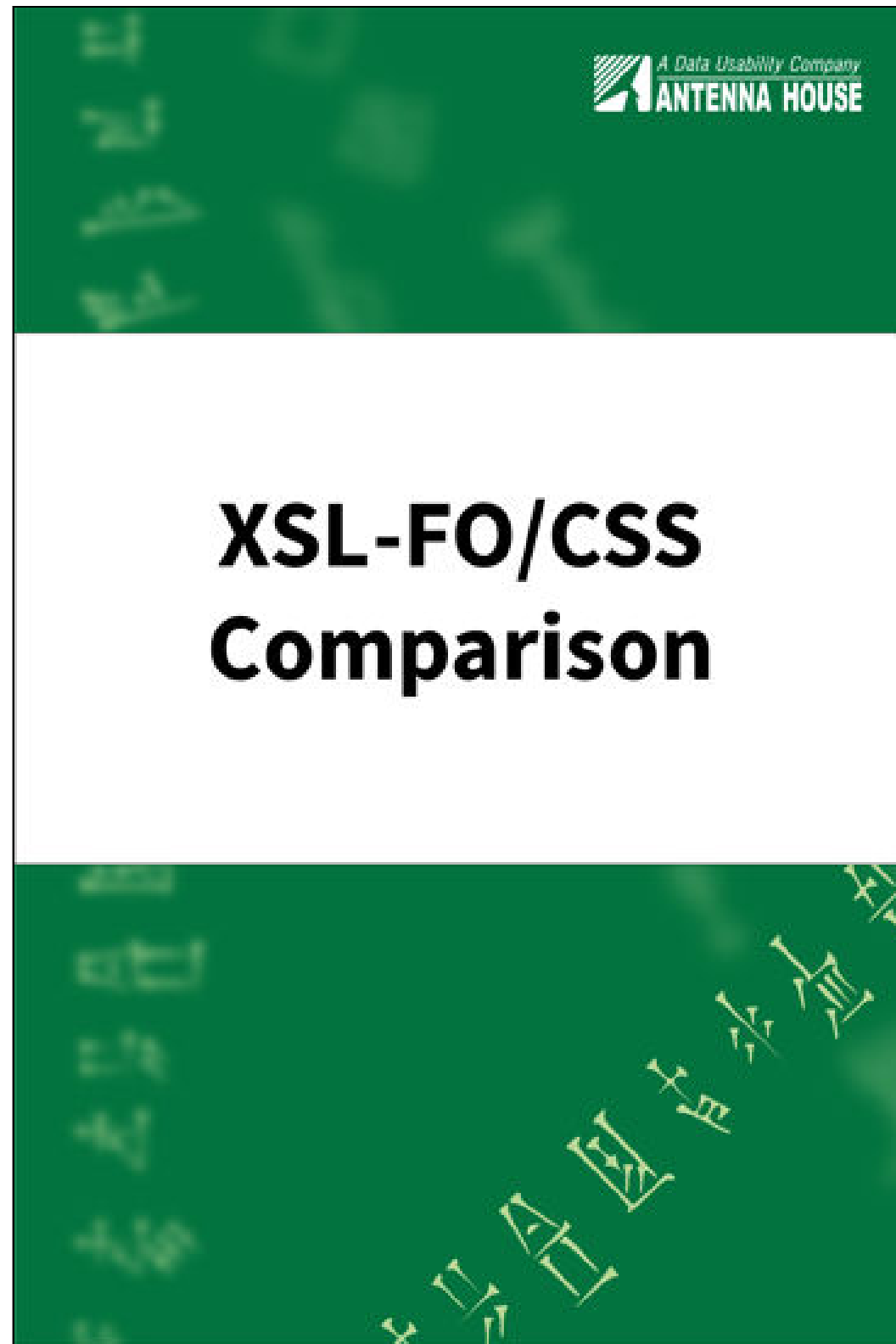


Figure 2.9-2 `axf:float-reference` With `axf:float-x="start"`

Since the reference area for `column` is a `column`, for a three-column area, the candidate areas for placing the float are the first, second and third column, in sequence.

When `multicol`, the placement position is the columns in sequence, but the float span fewer than all of the columns. By using `gr` for the float width, you can, for example, specify the float as spanning two of the three columns. `auto` and `normal` use the current reference area.

XSL-FO/CSS Comparison



- www.antennahouse.com/xsl-fo-css-comparison
- 150-page comparison of XSL-FO, CSS, and AH Formatter extensions for both
- New for XML Prague 2022
- More information tomorrow!

Developing XSL-FO Stylesheets

<https://www.antennahouse.com/xml-to-xsl-fo-stylesheets>

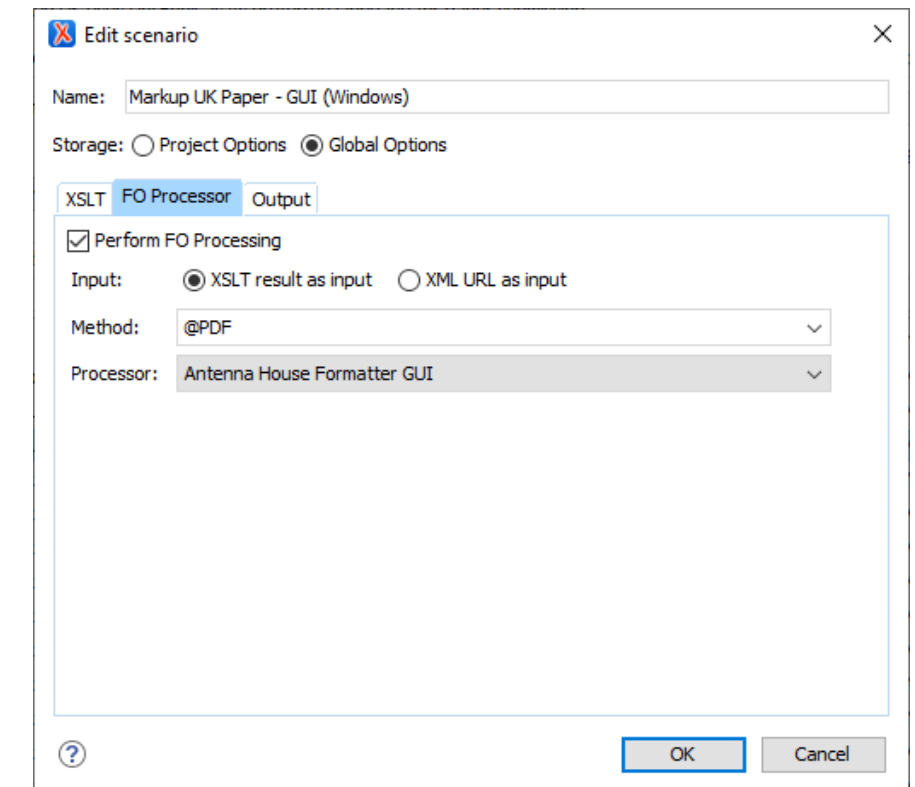
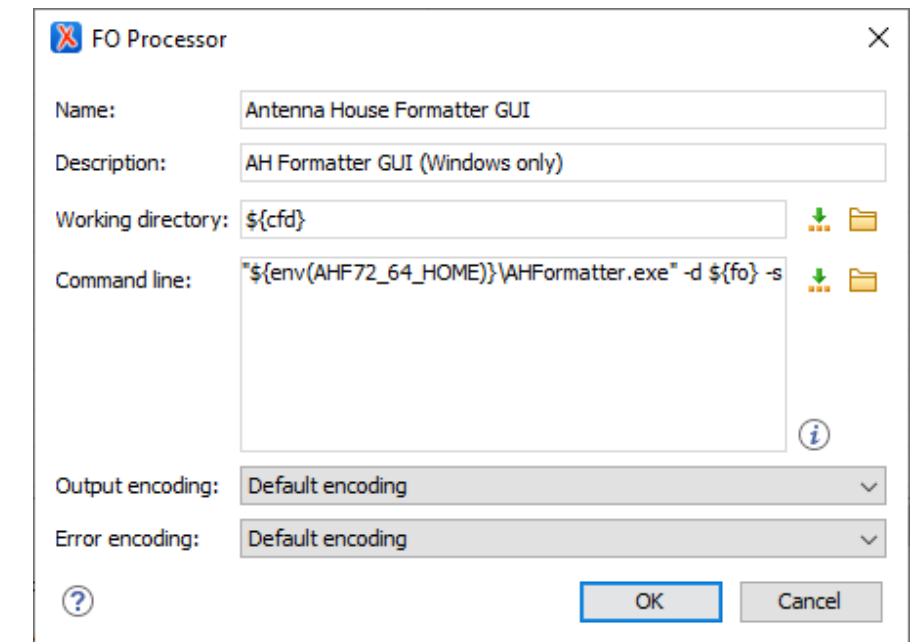
- How to Develop Stylesheets for XML to XSL-FO Transformation
- Formatting World Languages with XSL-FO Formatter
- Stylesheet for XHTML to XSL-FO transformation
- Stylesheet for XBRL to XSL-FO transformation and sample XBRL file

Oxygen

- Running AH Formatter from Oxygen
- Opening files in Oxygen from AH Formatter GUI
- Oxygen frameworks

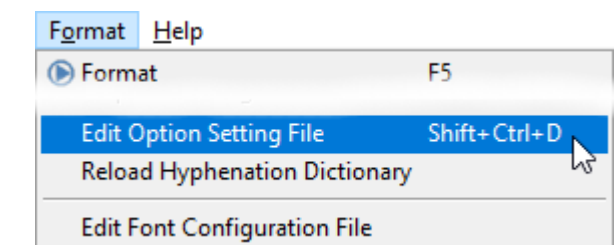
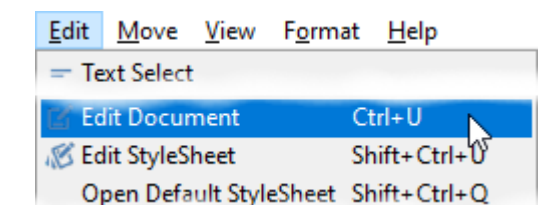
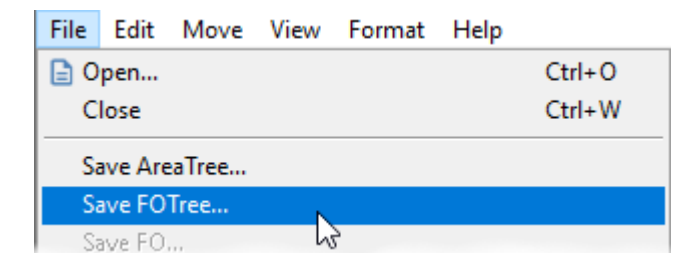
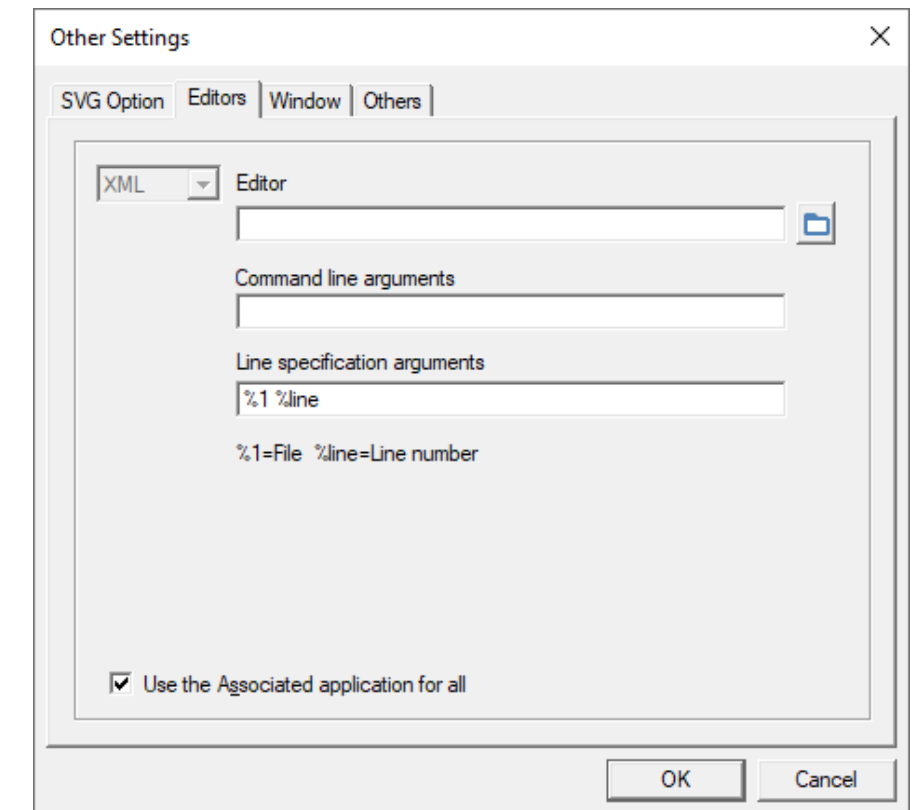
Running AH Formatter from Oxygen

- Add AH Formatter GUI or **AHFCmd** as "External FO processor"
- `"${env(AHF72_64_HOME)}\AHFormatter.exe"`
 - `-d ${fo} -s` opens document in running AH Formatter GUI
- `"${env(AHF72_64_HOME)}\AHFCmd.exe" -d ${fo} -p ${ah_method} -o ${out} -x 4`
 - `-x 4` stops only for fatal errors
- Set AH Formatter GUI or AH Formatter as FO Processor in transformation scenario
 - Start AH Formatter GUI *before* running transformation scenario
 - GUI refreshes to show current page again



Opening files in Oxygen from AH Formatter GUI

- Set AH Formatter GUI to use system application when editing files
- Edit or view:
 - Area Tree XML
 - FO Tree
 - FO result of XSLT transform
 - Source document
 - Stylesheet
 - Default HTML styles
 - Option Setting File
 - Font configuration file
 - Some errors in log window



Oxygen Frameworks

- **focheck** – XSL-FO and Antenna House extensions
<https://github.com/AntennaHouse/focheck>
 - Also bundled with Oxygen
- **ahfsettings** – Schema for AH Formatter “Option Setting File”
<https://github.com/AntennaHouse/ahfsettings>
- **hyphenation-info** – Schema and Schematron for AH Formatter hyphenation exception dictionaries
<https://github.com/AntennaHouse/hyphenation-info>
- **font-config** – Schema for AH Formatter “font-config.xml” files
<https://github.com/AntennaHouse/font-config>
- Framework “add-on update site” URL format:
<https://raw.githubusercontent.com/AntennaHouse/repository/master/add-on.xml>
- *Issues and pull requests are welcome!*

Visual Studio Code

```
# test.css > .foo
1 .foo
2 -ah-baseline-block-snap: center;
3 Specifies how to align blocks on the baseline grid.
   none | [auto | before | after | center] || [border-box | margin-box]
   AH Formatter manual | Introduction to CSS for Paged Media | Align title to top
   of text block (FO) | Line grid (FO)
```

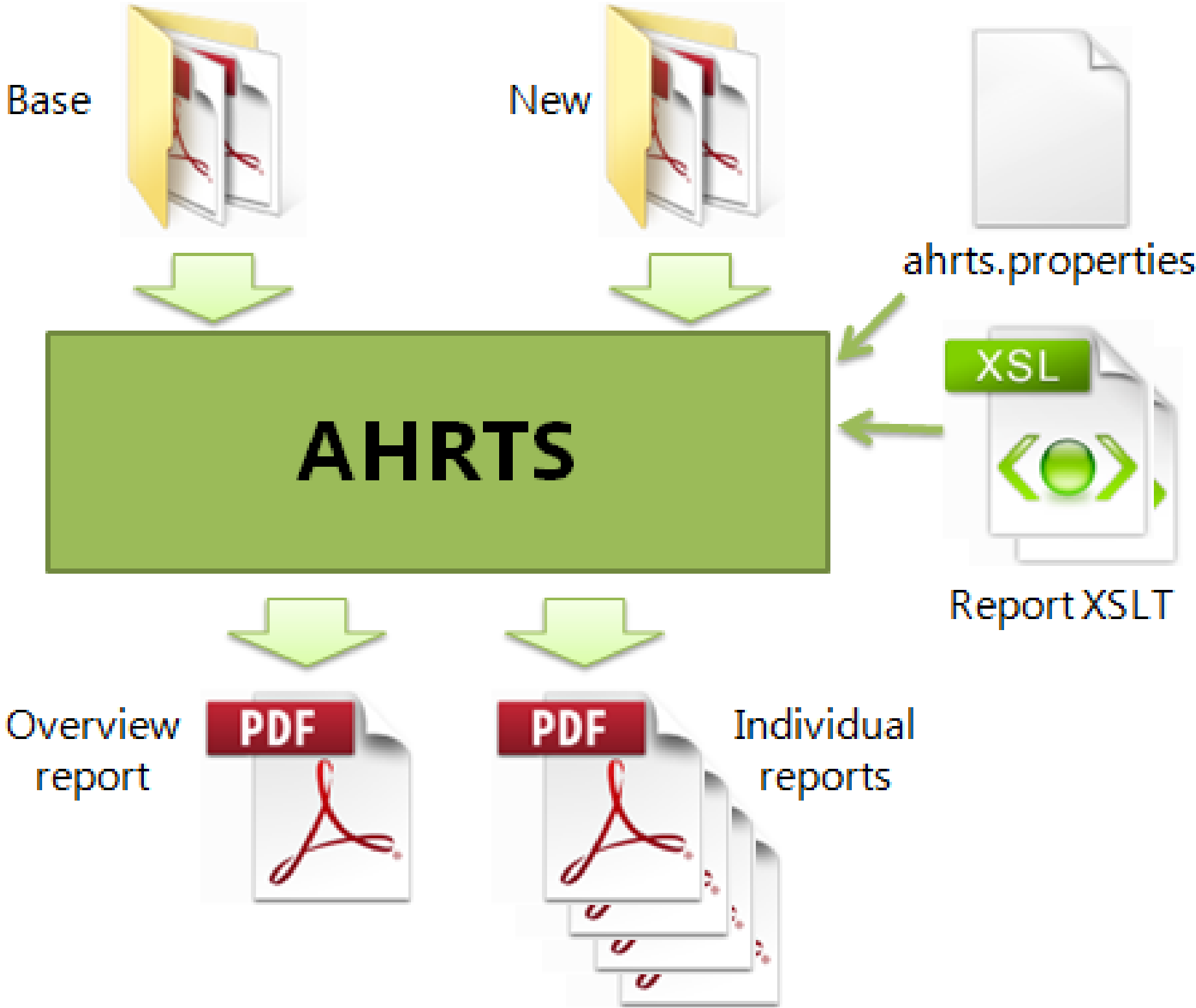
- Auto-completion and hover information in CSS files for AH Formatter extension CSS properties
- Short description and allowed values
- Reference information links, including:
 - AH Formatter manual definition
 - XSL 1.1 definition, if CSS extension of XSL 1.1 property
 - “Introduction to CSS for Paged Media” section
 - FO PDF sample that shows property being used
- <https://github.com/AntennaHouse/ahformatter-vscode-css-en>
- <https://github.com/AntennaHouse/ahformatter-vscode-css-en/releases>

Antenna House Regression Testing System (AHRTS)

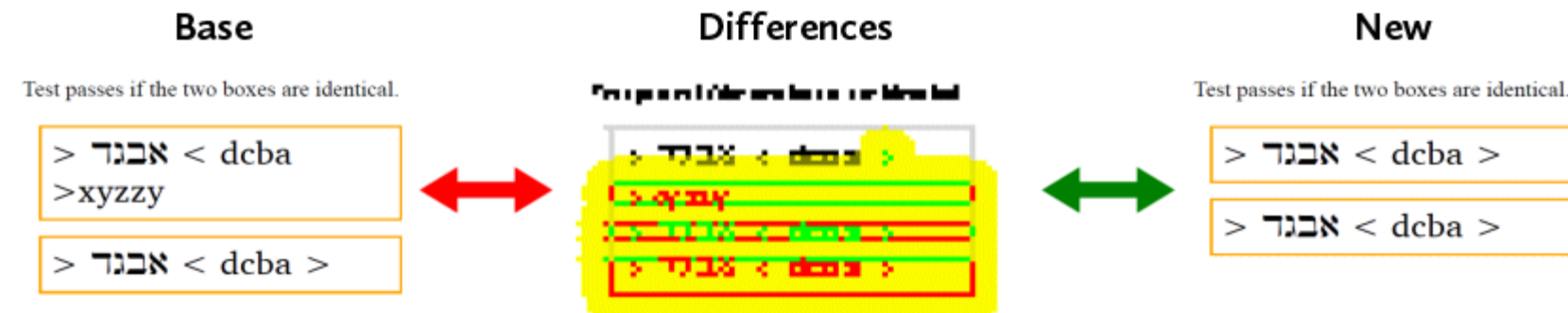


- Compare:
 - PDF to PDF
 - Image to image
 - Text to text
 - Directories of PDF files
 - Directories of image files
 - Output of different AH Formatter versions
- GUI or command line
- Summary report
- Individual report with differences highlighted
- Can exclude portions of a page

AHRTS Block Diagram



AHRTS Highlights Differences



- Pixel-by-pixel comparison
- *Any* PDF or supported image type
- Does not need to be generated by AH Formatter

AHRTS Reports PDF Metadata

Individual Report For Comparison: report-css-writing-modes-3=bidi-embed-001.html-97421a4c.pdf
Base Document: E:\jenkins_home\csswg-test-local-pdf\css-writing-modes-3=bidi-embed-001.html.pdf(1 page)
New Document: E:\jenkins_home\csswg-test-local-V84-pdf\css-writing-modes-3=bidi-embed-001.html.pdf(1 page)
Page 1 of 1

The following pages have visual differences: (1 / 1)

1

	Base	New
Title	direction/unicode-bidi: span direction rtl, unicode-bidi embed (2)	direction/unicode-bidi: span direction rtl, unicode-bidi embed (1)
Creator	AH Formatter V6.4 A0 for Windows (x64) : 6.4.0.25035 (2016/06/27 19:33JST)	AH Formatter V6.4 A0 for Windows (x64) : 6.4.0.25035 (2016/06/27 19:33JST)
Producer	Antenna House PDF Output Library 6.4.811 (Windows (x64))	Antenna House PDF Output Library 6.4.811 (Windows (x64))
Creation date	2016-07-15T21:08:32.000+01:00	2016-07-15T21:08:32.000+01:00

Customise Summary Report XSLT

AHRTS Overview Report Page 1 of 3

- ✗ css-writing-modes-3=bidi-embed-001.html

- ✗ css-writing-modes-3=bidi-embed-002.html

- ✓ css-writing-modes-3=bidi-embed-003.html

- ✓ css-writing-modes-3=bidi-embed-004.html

- ✓ css-writing-modes-3=bidi-embed-005.html

- ✓ css-writing-modes-3=bidi-embed-006.html

- ✓ css-writing-modes-3=bidi-embed-007.html

- ✓ css-writing-modes-3=bidi-embed-008.html

- ✓ css-writing-modes-3=bidi-embed-009.html

- ✓ css-writing-modes-3=bidi-embed-010.html

ahrts-csswg-test-local-pdf-V64 #39 Page 1 of 7

Test set: reports
Test date: 2016-09-14T16:59:41.764+01:00

✗ Fatal errors	✗ Missing input files	✗ Non-fatal errors	✓ No errors
0	0	1	78

✓ Pass	✗ Fail	✗ Uncertain	✗ Invalid	✗ N/A
8	5	0	0	0

- * Sorted by name
- * Sorted by result
- * Sorted by conformance

Sorted by name

css-writing-modes-3/

✓ Pass	✗ Fail	✗ Uncertain	✗ Invalid	✗ N/A
8	5	0	0	0

- ✓ css-writing-modes-3_bidi-embed-001_html

- ✓ css-writing-modes-3_bidi-embed-002_html

Customise Individual Report XSLT

The screenshot displays the AHRTS (Antenna House Report Test System) interface. At the top, it shows the test title "AHRTS試験結果" and the file path "css-counter-styles-3/i18n/css3-counter-styles-001.html". Below this, there are status indicators for various test categories: D2 (未検計 [1], バグ [2], 制限 [3], 保留 [4], 未対応 [5], 作業者 [6], 確認依頼 [7], 初期状態 [0]) and G4 (NG [n], OK [o], 初期状態 [-]). A comment field and a "発行" (Issue) field are also present. The main content area shows a diff report for "差分ページ 1 (1 / 0)" with the text "新しい (0.29634)". The diff content is as follows:

```
Test passes if the two columns are the same, IGNORING the suffix.  
一、 一  
二、 二  
三、 三  
四、 四
```

At the bottom, the terminal output shows the command used to generate the report: `/var/lib/jenkins/AHFormatterV_64-ref/bin/AHFCmd -x 4 -d /var/lib/jenkins/oss-wpt/trunk/oss/oss-counter-styles-3/i18n/css3-counter-styles-001.html -o /var/lib/jenkins/jobs/V-ref-60-css-wpt/workspace/ref/oss-counter-styles-3_i18n_css3-counter-styles-001.html.pdf -pdfver PDF1.7 -i /var/lib/jenkins/jobs/V-ref-60-css-wpt/workspace/ahfsettings.xml`. The footer includes the version "AHFCmd : AH Formatter V_64 for Linux64 : 0.29634 (2017/07/06 16:50JST)" and the copyright notice "Copyright (c) 1999-2017 Antenna House, Inc."

AHRTS is Localisable

V -dev-csswg-test-local-ahrts-pdf #348 ページ 1 / 15

テストセット: reports
テスト日: 2017-05-02T17:24:18.332+01:00

致命的なエラー	入力ファイルがありません	致命的でないエラー	エラーなし
0	1	227	8

パス	フェイル	不確実な	不当	適用できません
0	0	0	0	0

* 名前でソート
* 結果で並び替え
* 適合順に並び替え

名前でソート

css-counter-styles-3/ (157)

パス	フェイル	不確実な	不当	適用できません
0	0	0	0	0

✗ css3-counter-styles-001.html.pdf
新しいディレクトリにファイルがありません。

○ css3-counter-styles-004.html

○ css3-counter-styles-005.html

Support

- **support@antennahouse.com**
 - Support within warranty or maintenance period
 - Bug reports
 - Enhancement requests
 - Subscribe to announcements list
- Website contact form
<https://www.antennahouse.com/contact-us>
- StackOverflow
 - Use **antenna-house** , **xsl-fo** , or **css-paged-media** tag
 - Many answers are from other users

AH Formatter Developer Support

- AH Formatter GUI
- Samples and books
- Oxygen
- Visual Studio Code
- AHRTS
- Support