

# Apache FOP: Known Issues

Version 627324

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## 1 Known issues

This page lists currently known issues in the current release.

### Note:

For additional information on known issues in Apache FOP, please have a look at the following pages, too:

- [the bug list in Bugzilla](#)
- [the task list in the Wiki](#)

Apache FOP has an extensive automated testing infrastructure. Parts of this infrastructure are several sets of test cases. When a test case is listed in `disabled-testcases.xml` it is disabled in the JUnit tests during the normal build process. This indicates a problem in the current codebase. When a bug is fixed or a missing feature is added the entry for the relevant test case(s) are removed.

### 1.1 FO Tree

This section lists disabled test cases in the test suite for the FO tree tests, at the time of the release.

**demo-test-failure.fo** (demo test failure):

*TODO: Add missing description in `disabled-testcases.xml`!*

**from-table-column\_marker.fo** (Markers and core function evaluation):

The code currently evaluates this function according to the column in which the marker appears in the source document, rather than the column it is retrieved in.

### 1.2 Layout Engine

This section lists disabled test cases in the test suite for the layout engine tests, at the time of the release.

**basic-link\_external-destination\_2.xml** (External link around an SVG not properly sized):

The `bpd` trait of the `inlineparent` area for the `basic-link` is not sized correctly if it wraps an image that is higher than the nominal line.

**block-container\_reference-orientation\_bug36391.xml** (Bugzilla #36391: reference-orientation):

There's a problem involving nested block-containers and reference-orientation 180/-180.

See also: [http://issues.apache.org/bugzilla/show\\_bug.cgi?id=36391](http://issues.apache.org/bugzilla/show_bug.cgi?id=36391)

**block-container\_space-before\_space-after\_3.xml** (Auto-height block-containers produce fences):

Block-containers with no height currently don't create a fence for spaces as they should (they behave like a normal block).

**block\_font-stretch.xml** (font-stretch NYI):

Font-stretch is not implemented, yet.

**block\_hyphenation\_linefeed\_preserve.xml** (Hyphenation with preserved linefeeds):

When hyphenation is enabled and linefeeds are preserved linefeeds are painted as '#' and the text is output multiple times.

**block\_linefeed-treatment.xml** (linefeed-treatment):

Preserved linefeeds in a fo:character are not handled correctly.

**block\_white-space-treatment\_3.xml** (white-space-treatment):

White space handling incorrectly stops at fo:inline boundaries when it comes to formatter generated line breaks.

**block\_space-before\_space-after\_8.xml** (Empty blocks produce fences):

An empty block currently produces a fence for stacking constraints which it shouldn't.

**block\_white-space\_nbsp\_2.xml** (block white-space nbsp 2):

The nbsp given as an fo:character is not adjustable and therefore the justification does not work in this case.

**block\_word-spacing.xml** (block word-spacing):

Word-spacing may not work as expected.

**block\_word-spacing\_text-align\_justify.xml** (block word-spacing text-align justify):

Word-spacing may not work as expected.

**external-graphic\_oversized.xml** (external-graphic don't shrink):

Images currently don't shrink so they fit on a page when they are too big and shrinking is allowed to happen (min/opt/max).

**external-graphic\_src\_uri.xml** (Test case with HTTP URL):

Doesn't work behind a proxy which requires authorization.

**footnote\_space-resolution.xml** (Space Resolution in foot note area):

Space resolution does not work between footnote regions.

**footnote\_in\_list.xml** (Footnotes swallowed in lists):

Element lists for lists are created by combining the element lists from list-item-label and list-item-body. The footnotes contained in the KnuthBlockBoxes are not propagated to the combined element list.

See also: [http://issues.apache.org/bugzilla/show\\_bug.cgi?id=37579](http://issues.apache.org/bugzilla/show_bug.cgi?id=37579)

**footnote\_in\_table.xml** (Footnotes swallowed in tables):

Element lists for tables are created by combining the element lists from the individual table-cells. The footnotes contained in the KnuthBlockBoxes are not propagated to the combined element list.

See also: [http://issues.apache.org/bugzilla/show\\_bug.cgi?id=37579](http://issues.apache.org/bugzilla/show_bug.cgi?id=37579)

**inline\_keep-together.xml** (keeps on inlines NYI):

Keeps are not implemented in inline-level elements, yet.

**inline\_block\_nested\_3.xml** (NPE for table inside an inline):

Placing a table as a child of an fo:inline produces a NullPointerException.

**inline-container\_block\_nested.xml** (inline-container is not implemented, yet.):

inline-container is not implemented, yet. Content of an inline-container will get swallowed. The test case contains no checks.

**inline-container\_border\_padding.xml** (inline-container is not implemented, yet.):

inline-container is not implemented, yet. Content of an inline-container will get swallowed.

**inline\_letter-spacing.xml** (inline letter-spacing):

Letter-spacing may not work as expected within fo:inline.

**inline\_word-spacing.xml** (inline word-spacing):

Word-spacing may not work as expected within fo:inline.

**inline\_word-spacing\_text-align\_justify.xml** (inline word-spacing text-align justify):

*TODO: Add missing description in disabled-testcases.xml!*

**leader-alignment.xml** (leader-alignment NYI):

Leader-alignment is not yet implemented.

**leader\_leader-pattern\_use-content\_bug.xml** (leader-pattern="use-content": Problem with line height):

Line height is not correctly calculated for use-content leaders whose height is larger than the rest of the line. See also: <http://www.nabble.com/leaders-with-leader-pattern%3D%22use-content%22-t546244.html>

**list-block\_keep-with-previous.xml** (keep-with-previous doesn't work in lists):

Keep-with-previous doesn't work inside tables and lists, yet.

**list-item\_block\_keep-with-previous.xml** (keep-with-previous doesn't work in lists):

Keep-with-previous doesn't work inside tables and lists, yet.

**page-breaking\_4.xml** (Page breaking doesn't deal with IPD changes):

Page breaking currently doesn't support changing available IPD between pages of a single page-sequence. Element list generation has to be reset to redetermine line breaks in this case.

**page-breaking\_6.xml** (Overflow handling is incomplete):

Line breaking is not 100% correct when there's too little space. Overflows are not detected and warned.

**page-height\_indefinite\_simple.xml** (Indefinite page height handling is incomplete):

A RuntimeException is thrown for a page of indefinite height. Lots of warnings.

**page-number-citation\_background-image.xml** (page-number-citation: Problem with background-image):

Background-images on page-number-citations are not placed correctly.

**page-number-citation-last\_basic.xml** (page-number-citation-last: FOs spanning multiple pages are not properly handled.):

Resolution of forward references does not wait until an FO is fully finished when an FO spans multiple pages.

**page-number-citation\_complex\_1.xml** (IDs are not working on all FO elements):

The "id" attributes are not properly handled for all block-level FO elements.

**page-number-citation\_complex\_2.xml** (IDs are not working on all FO elements):

The "id" attributes are not properly handled for all inline-level FO elements.

**region-body\_column-count\_footnote.xml** (Footnotes in multi-column documents):

Footnotes may overlap with text of the region-body in multi-column documents.

**region-body\_column-count\_balance\_4col.xml** (Column Balancing problems):

Situation in a 4-column document where the column balancing doesn't work and even causes some content to disappear.

**region-body\_column-count\_bug36356.xml** (Column Balancing problems):

Column balancing doesn't work as expected.

**table-body\_background-image.xml** (No background-images on table-body):

The backgrounds of table-body, table-header, table-footer and table-column are not painted, yet.

**table\_border-collapse\_collapse\_1.xml** (Collapsing Border Model NYI):

Border-collapse="collapse" is not yet implemented.

**table\_border-collapse\_collapse\_2.xml** (Collapsing Border Model NYI):

Border-collapse="collapse" is not yet implemented.

**table\_border\_padding.xml** (Problems with border and padding on tables):

The element list seems to not be fully correct, yet, causing the layout to look odd.

**table-cell\_block\_keep-with-previous.xml** (keep-with-previous doesn't work inside tables):

Keep-with-previous doesn't work inside tables and lists, yet.

**table-cell\_border\_padding\_conditionality.xml** (Border and padding conditionality is NYI on table-cells):

Border and padding conditionality are not supported on table-cells, yet.

**table-header\_background-image.xml** (No background-images on table-header):

The backgrounds of table-body, table-header, table-footer and table-column are not painted, yet.

**table-row\_keep-with-previous.xml** (keep-with-previous doesn't work on table-rows):

Keep-with-previous doesn't work inside tables and lists, yet.

**table-cell\_empty\_area\_with\_marker.xml** (table-cell empty area with marker.xml):

A table-cell producing an empty area does currently not add any markers to a page. See TODO entry in AreaAdditionUtil.

**table\_border-width\_conditionality.xml** (Border conditionality on table):

The code should be ok, but the test case uses shorthands and therefore is probably not expressing the intended outcome according to the spec. The test case should be revisited.

**wrapper\_block\_id.xml** (fo:wrapper around block-level content (with id)):

"id" attributes on fo:wrapper around block-level content don't get added to the area tree.

**block\_break-after\_bug40230.xml** (Bugzilla #40230: invalid extra page break):

Currently an extra page is created even if there is nothing after a block with break-after="page"

See also: [http://issues.apache.org/bugzilla/show\\_bug.cgi?id=40230](http://issues.apache.org/bugzilla/show_bug.cgi?id=40230)

**block\_shy\_linebreaking\_hyph.xml** (Soft hyphen with normal hyphenation enabled):

A soft hyphen should be a preferred as break compared to a normal hyphenation point but is not.

### 1.3 Other known issues

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This section lists other known issues.

- MIF and SVG output support have not been restored, yet.
- Java2D/AWT support has been improved, but some problems remain, for example with block-containers.
- Auto table layout is not implemented, yet.
- Footnotes may overlap with text of the region-body in multi-column documents.
- Space resolution does not work between footnote regions.
- There's a problem involving nested block-containers and reference-orientation 180/-180 (Bugzilla #36391)
- block-containers with no height currently don't create a fence for spaces as they should (they behave like a normal block).
- Preserved linefeeds in fo:character are not handled correctly.
- An empty block currently produces a fence for stacking constraints which it shouldn't.
- There are several small problems around white space handling.
- Images currently don't shrink so they fit on a page when they are too big and shrinking is allowed to happen.
- inline-container may not work as expected.
- letter-spacing and word-spacing properties may not work as expected.
- leaders with leader-pattern="use-content" may not work as expected.
- keep-with-previous doesn't work inside tables and lists, yet.
- If two consecutive pages don't have the same available width, the content currently isn't properly fit into the available space on the new page.
- background-images on page-number-citations are not placed correctly.
- Not all FO elements can be referenced by their "id", most notably: table-body, table-header, table-footer and table-row.
- The backgrounds of table-body, table-header, table-footer and table-column are not painted, yet.
- Border and padding conditionality are not supported on table-cells, yet.
- Column balancing in multi-column documents may not work as expected (Bugzilla #36356)