
[Issue #15 \(open\): \[REVIEW\] \[Accessibility\]](#)

[@domoritz](#) on Mar 20, 2025 21:08: [opened]

[@domoritz](#) on Mar 20, 2025 21:08: **Reviewed version**

f41e831

Perceivable

- Contrast of all text and elements is sufficient. Geometries and large text must have >3:1 contrast against background. Regular text must have >4.5:1.
- Content has non-visual alternatives. All figures have alt text and videos have transcripts. Equations are screen reader accessible.
- Font sizes for all texts are sufficiently large. Text must not be smaller than 9pt/12px in size. Ideally only minor text is rendered at 9pt (e.g., axis labels) while all other text is larger.
- Where possible within reason, the article works even if I could not perceive colors. Colors should be augmented with patterns, textures, other visual cues, or tooltips if possible.
- The article can be navigated comfortably with a screen reader. There are no unnecessary accessibility elements (e.g., axis ticks and labels) that clutter the screen reader experience.

Screen reader

- VoiceOver on macOS
- VoiceOver on iOS
- NVDA on Windows
- JAWS on Windows
- Not tested with a screen reader (explain below why not)

Browser

- Safari or other WebKit-based browser
- Chrome or other Chromium-based browser
- Firefox

Comments on Perceivable

The images are all missing alt texts.

Some charts expose elements to the screen reader (here the bars) which are distracting and not useful. Hide them.

The chart below shows the distribution of papers across different venues:

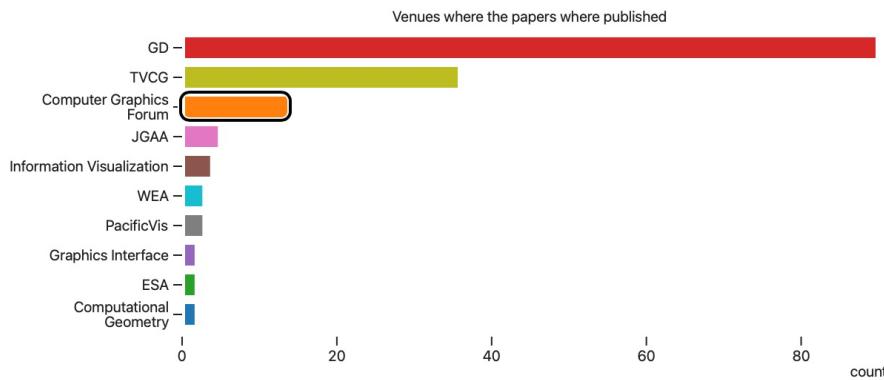


Figure 1: Chart showing the distribution of papers collected across different venues. While the most occurrences are from Graph Drawing, a significant number of entries comes from TVCG and CGF.

Please disable tooltips for citations because of <https://github.com/quarto-dev/quarto-cli/issues/6500>.

Operable

- If there are interactive elements in the article, they can be operated with a keyboard.
- If there are interactive elements in the article, there are textual instructions for how to use them or it's reasonable to assume that it's clear how to use them.
- When navigating over the article with a keyboard, the focus indicator is always visible.
- Interactions that work with a mouse also work on a touch screen (unless explicitly called out).

Comments on Operable

All good

Understandable

- All charts have a title and a description.
- Changes in animated or interactive elements are easy to follow.
- All axes have clear labels (either explicit or implicitly given the context).
- There are legends for all charts that need them.

Comments on Understandable

All good

Robust

- All buttons use the button tag.
- Headings, paragraphs, and figures are tagged correctly.

Comments on Robust

All good

Assistive

- The data density of all charts is appropriate. Use clustering or other data reduction techniques if elements compete for space but explain the method.
- Navigation and interaction feels intuitive with all interaction methods (mouse, keyboard, touch).
- All visually apparent features and relationships are described.
- Formatting makes values human-readable. Use , or space to separate thousands. Align numbers to the right. Use the smallest, appropriate number of significant digits.

Comments on Assistive

All good.

Flexible

- The article is readable on a phone.
- The article can be zoomed and font-sizes change appropriately. The layout of the page does not break when zooming in or changing the font size (e.g., using CMD + or CMD - on macOS).
- Long animations (if they exist) can be paused or stopped. Animations should be videos, not GIFs as they cannot be paused.
- Style and charts use a consistent and familiar design (fonts, colors, etc). Interaction defaults should be consistent for all interactive elements.

Comments on Flexible

All good.

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[@chatchavan](#) on Mar 26, 2025 11:26: @picorana Please consider updating your articles according to the feedback from the accessibility review above.

[@codementum](#) on Aug 19, 2025 19:56: @domoritz Any chance you could review @picorana's updates on accessibility here? -> <https://github.com/journalovi/2024-dibartolomeo-benchmark/issues/18#issuecomment-3151922825> -- In particular the issue about voiceover. It seems like other fixes were straightforward.

[@domoritz](#) on Sep 01, 2025 22:08: Done

[@domoritz](#) on Sep 01, 2025 22:08: [closed]

[@floe](#) on Dec 17, 2025 08:03: Reopening so that all reviews are visible on the main issue page.
