

Project Euclid Accessibility Conformance Report

WCAG 2.1 Edition

(Based on VPAT[®] Version 2.4)

Name of Product/Version: Project Euclid

Report Date: January 18, 2022

Product Description: Project Euclid is an online content platform for mathematics and statistics literature. We are a nonprofit university-based venture managed by Cornell University Library and Duke University Press, and we work with small and nonprofit publishers around the world to disseminate their journals, books, and conference proceedings.

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Evaluation Methods Used: All criteria evaluated through broad product knowledge and testing by professional staff. No automated testing was conducted for this report.

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0	Level A (Yes) Level AA (Yes) Level AAA (No)
Web Content Accessibility Guidelines 2.1	Level A (Yes) Level AA (Yes) Level AAA (No)

Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports:** The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- **Partially Supports:** Some functionality of the product does not meet the criterion.
- **Does Not Support:** The majority of product functionality does not meet the criterion.
- **N/A:** The criterion is not relevant to the product.
- **Not Evaluated:** The product has not been evaluated against the criterion. This can be used only in WCAG 2.0/1 Level AAA.

WCAG 2.1 Report

Note: When reporting on conformance with the WCAG 2.1 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.0 Conformance Requirements](#).

Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Web: Supports Electronic Docs: Partially Supports Software: N/A Authoring Tool: N/A	Web: All content figures and tables are accompanied by explanatory captions. Electronic Docs: PDF formatted papers are provided by their publishers. Some but not all include explanatory captions for figures and tables.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Web: N/A Electronic Docs: N/A Software: N/A Authoring Tool: N/A	
1.2.2 Captions (Prerecorded) (Level A)	Web: N/A Electronic Docs: N/A Software: N/A Authoring Tool: N/A	
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Web: N/A Electronic Docs: N/A Software: N/A Authoring Tool: N/A	
1.3.1 Info and Relationships (Level A)	Web: Supports Electronic Docs: Supports Software: N/A Authoring Tool: N/A	Web: Information and Relationships are designated in the page source; Abstract as abstract, Sections as sections, etc. Electronic Docs: Information and relationships in the PDF files are shown via text formatting and variation as per standard printed scientific publication.
1.3.2 Meaningful Sequence (Level A)	Web: Supports Electronic Docs: Supports Software: N/A Authoring Tool: N/A	Web: Information is provided in a meaningful sequence on the page in the document as a whole, following standard science publication practice. Electronic Docs: Information is provided in a meaningful sequence on the page in the document as a whole, following standard science publication practice.

Criteria	Conformance Level	Remarks and Explanations
1.3.3 Sensory Characteristics (Level A)	Web: Supports Electronic Docs: Supports Software: N/A Authoring Tool: N/A	Web: Instructions provided for understanding and operating content do not rely solely on sensory characteristics of components such as shape, color, size, visual location, orientation, or sound. Electronic Docs: As noted above.
1.4.1 Use of Color (Level A)	Web: Supports Electronic Docs: Supports Software: N/A Authoring Tool: N/A	Web: Color is not used as the only visual means of conveying an action.
1.4.2 Audio Control (Level A)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: No web page in the site contains audio content that plays automatically.
2.1.1 Keyboard (Level A)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: Tabbing through links works as expected. There is a 2022 update to further improve the user experience of this function through enhanced visual cues.
2.1.2 No Keyboard Trap (Level A)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: Focus can be moved away from page components using only a keyboard interface.
2.1.4 Character Key Shortcuts (Level A 2.1 only)	Web: N/A Electronic Docs: N/A Software: N/A Authoring Tool: N/A	We do not currently implement keyboard shortcuts in content on Project Euclid.
2.2.1 Timing Adjustable (Level A)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: There is a 20-minute session time out, however, once the user takes any further action on the site, a new session is instantiated with the appropriate access to content.
2.2.2 Pause, Stop, Hide (Level A)	Web: N/A Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: The site contains no moving, blinking, scrolling, or auto-updated information.

Criteria	Conformance Level	Remarks and Explanations
2.3.1 Three Flashes or Below Threshold (Level A)	Web: N/A Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: The site contains nothing that flashes.
2.4.1 Bypass Blocks (Level A)	Web: Supports Electronic Docs: N/A Authoring Tool: N/A	Web: Structural markup and multiple navigation paths allow for bypassing non-primary content blocks.
2.4.2 Page Titled (Level A)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: Content page titles are the title of the contained article. Other page titles describe the pages content and/or function.
2.4.3 Focus Order (Level A)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: Focus order is preserved. See remarks for 2.1.1
2.4.4 Link Purpose (In Context) (Level A)	Web: Supports Electronic Docs: Supports Software: N/A Authoring Tool: N/A	Web: The purpose of each link can be determined from the link text alone or from the link text together with its programmatically determined link context Electronic Docs: As noted above.
2.5.1 Pointer Gestures (Level A 2.1 only)	Web: N/A Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Content on Project Euclid is currently “point and click”, without using a path-based gesture.
2.5.2 Pointer Cancellation (Level A 2.1 only)	Web: N/A Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Content on the site is currently based on “up-event” interactions.
2.5.3 Label in Name (Level A 2.1 only)		<i>UPDATES TO SPIE DL PLANNED</i>
2.5.4 Motion Actuation (Level A 2.1 only)	Web: N/A Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Content on the Digital Library is currently not triggered by moving a device or gesturing towards a device.
3.1.1 Language of Page (Level A)	Web: Supports Electronic Docs: N/A	Web: Language is designated in page metadata as ‘En’. Users may also use an embedded Google Translation

Criteria	Conformance Level	Remarks and Explanations
	Software: N/A Authoring Tool: N/A	widget to select displayed language.
3.2.1 On Focus (Level A)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: When any component receives focus, it does not initiate a change of context.
3.2.2 On Input (Level A)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: Changing the setting of any user interface component does not automatically cause a change of context.
3.3.1 Error Identification (Level A)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: Error identification is provided on the input of username and password for sign in. No errors are generated on search input (the only site input other than credentials) as all search items are considered legitimate search queries.
3.3.2 Labels or Instructions (Level A)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: Labels or instructions are provided when content requires user input; both for sign in and search queries.
4.1.1 Parsing (Level A)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: Content is implemented using markup languages. All markup elements are complete and the pages as a whole are valid markup documents.
4.1.2 Name, Role, Value (Level A)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: For all user interface components the name and role can be programmatically determined and set.

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Web: N/A Electronic Docs: N/A Software: N/A Authoring Tool: N/A	No live audio content is presented on the web site.
1.2.5 Audio Description (Prerecorded) (Level AA)	Web: N/A Electronic Docs: N/A Software: N/A Authoring Tool: N/A	No audio content is presented on the site.
1.3.4 Orientation (Level AA 2.1 only)	Web: N/A Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Content is currently not restricted by device orientation.
1.3.5 Identify Input Purpose (Level AA 2.1 only)		<i>UPDATES TO SITE PLANNED</i>
1.4.3 Contrast (Minimum) (Level AA)	Web: Supports Electronic Docs: Supports Software: N/A Authoring Tool: N/A	Web: Content web pages meet the 4.5:1 contrast requirement. Euclid has a 2022 update to address contrast concerns.
1.4.4 Resize text (Level AA)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: Supported via browser functionality
1.4.5 Images of Text (Level AA)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: Some math content may be represented by images of equations and formulae, this is deemed as essential to the information being conveyed (see note on WCAG 1.4.5 specifications).
1.4.10 Reflow (Level AA 2.1 only)		<i>UPDATES TO SITE PLANNED</i>
1.4.11 Non-text Contrast (Level AA 2.1 only)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: Content web pages meet the 4.5:1 contrast requirement. Euclid has a 2022 update to address contrast concerns.
1.4.12 Text Spacing (Level AA 2.1 only)		<i>UPDATES PLANNED</i>
1.4.13 Content on Hover or Focus (Level AA 2.1 only)		<i>UPDATES PLANNED</i>
2.4.5 Multiple Ways (Level AA)	Web: Supports	Web: More than one way is available to locate a Web

	Electronic Docs: Supports Authoring Tool: N/A	page within a set of Web pages.
2.4.6 Headings and Labels (Level AA)	Web: Supports Electronic Docs: Supports Software: N/A Authoring Tool: N/A	Web: Headings and labels describe topic or purpose. Electronic Docs: As noted above.
2.4.7 Focus Visible (Level AA)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: See note in this document under 2.1.1
3.1.2 Language of Parts (Level AA)	Web: Does Not Support Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: See note in this document under 3.1.1
3.2.3 Consistent Navigation (Level AA)	Web: Supports Electronic Docs: N/A Authoring Tool: N/A	Web: Navigation is consistent for all pages, by content type, across the site. There are some minor changes between book and article pages but they are consistent inside those content types and parallel to other navigation arrangements on the site.
3.2.4 Consistent Identification (Level AA)	Web: Supports Electronic Docs: N/A Authoring Tool: N/A	Web: Components that have the same functionality within a set of Web pages are identified consistently.
3.3.3 Error Suggestion (Level AA)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: Project Euclid has two places for user input, user credentials for the purpose of signing into personal accounts and search input. No input error suggestion is appropriate for signing in. Search does not offer error suggestion.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Web: Supports Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Web: User input for financial transactions (the purchase of a pay-per-view article) is reversible, checked, and confirmed.
4.1.3 Status Messages (Level AA 2.1 only)	Web: N/A Electronic Docs: N/A Software: N/A Authoring Tool: N/A	Status messages are not currently implemented on Euclid.

