

Project Euclid Accessibility Conformance Report

Revised Section 508 Edition

VPAT® Version 2.3 (Revised) – April 2019

Name of Product/Version: Project Euclid

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

Report Date: November 7, 2024

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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 version 2.3 report.

Applicable Standards/Guidelines

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

Table 1 Degrees of Conformance per Guidelines Included in Report

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0	Level A (Yes) Level AA (Yes) Level AAA (No)
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	(Yes)

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.
- **Not Applicable:** 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 Level AAA.

WCAG 2.0 Report

Tables 2 and 3 also document conformance with:

- Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing
- Chapter 6 – 602.3 Electronic Support Documentation

Note: When reporting on conformance with the WCAG 2.0 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 2: Success Criteria, Level A

Notes:

Table 2 Success Criteria, Level A

Criteria	Conformance Level	Remarks and Explanations
<p><u>1.1.1 Non-text Content</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: All content figures and tables are accompanied by explanatory captions. Electronic Docs: PDF-formatted papers include explanatory captions for all figures and tables.</p>
<p><u>1.2.1 Audio-only and Video-only (Prerecorded)</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Not Applicable Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	
<p><u>1.2.2 Captions (Prerecorded)</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Not Applicable Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	
<p><u>1.2.3 Audio Description or Media Alternative (Prerecorded)</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Not Applicable Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	
<p><u>1.3.1 Info and Relationships</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>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.</p>

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> 602.3 (Support Docs) 		
<p>1.3.2 Meaningful Sequence (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>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.</p>
<p>1.3.3 Sensory Characteristics (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>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.</p>
<p>1.4.1 Use of Color (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Color is not used as the only visual means of conveying an action.</p>
<p>1.4.2 Audio Control (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: No web page in the site contains audio content that plays automatically.</p>
<p>2.1.1 Keyboard (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Tabbing through links works as expected. Focus state indicator is provided for keyboard users in order to maintain orientation on page.</p>
<p>2.1.2 No Keyboard Trap (Level A)</p> <p>Also applies to: Revised Section 508</p>	<p>Web: Supports Electronic Docs: Not Applicable</p>	<p>Web: Focus can be moved away from page components using only a keyboard interface.</p>

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Not Applicable Authoring Tool: Not Applicable	
<p><u>2.2.1 Timing Adjustable</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable	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.
<p><u>2.2.2 Pause, Stop, Hide</u> (Level A)</p> <p>Also applies to:</p> <ul style="list-style-type: none"> • Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable	Web: All moving, blinking, or scrolling information is limited to less than five seconds. The site contains no other automatically updated information.
<p><u>2.3.1 Three Flashes or Below Threshold</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Web: Not Applicable Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable	Web: The site contains nothing that flashes.
<p><u>2.4.1 Bypass Blocks</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs 	Web: Supports Electronic Docs: Not Applicable Authoring Tool: Not Applicable	Web: Structural markup and multiple navigation paths allow for bypassing non-primary content blocks.
<p><u>2.4.2 Page Titled</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable	Web: Content page titles are the title of the contained article. Other page titles describe the page's content and/or function.

Criteria	Conformance Level	Remarks and Explanations
<p>2.4.3 Focus Order (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Focus order is preserved. See note for 2.1.1</p>
<p>2.4.4 Link Purpose (In Context) (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>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 above.</p>
<p>3.1.1 Language of Page (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Language is appropriately designated in page metadata as 'En', 'Fr', etc.</p>
<p>3.2.1 On Focus (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: When any component receives focus, it does not initiate a change of context.</p>
<p>3.2.2 On Input (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Changing the setting of any user interface component does not automatically cause a change of context.</p>
<p>3.3.1 Error Identification (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable</p>	<p>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.</p>

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> 504.2 (Authoring Tool) 602.3 (Support Docs) 	Authoring Tool: Not Applicable	
3.3.2 Labels or Instructions (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable	Web: Labels or instructions are provided when content requires user input; both for sign in and search queries.
4.1.1 Parsing (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable	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) Also applies to: Revised Section 508 <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable	Web: For all user interface components the name and role can be programmatically determined and set.

Table 3: Success Criteria, Level AA

Notes:

Table 3 Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Not Applicable Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable	No live audio content is presented on the web site.

Criteria	Conformance Level	Remarks and Explanations
<p><u>1.2.5 Audio Description (Prerecorded)</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Not Applicable Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>No audio content is presented on the web site.</p>
<p><u>1.4.3 Contrast (Minimum)</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Content web pages meet the 4.5:1 contrast requirement.</p>
<p><u>1.4.4 Resize text</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Supported via browser functionality</p>
<p><u>1.4.5 Images of Text</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Some math content is 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).</p>
<p><u>2.4.5 Multiple Ways</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs 	<p>Web: Supports Electronic Docs: Supports Authoring Tool: Not Applicable</p>	<p>Web: More than one way is available to locate a Web page within a set of Web pages.</p>
<p><u>2.4.6 Headings and Labels</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Headings and labels describe topic or purpose. Electronic Docs: As above.</p>

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> 504.2 (Authoring Tool) 602.3 (Support Docs) 		
<p>2.4.7 Focus Visible (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Tabbing through links works as expected. Focus state indicator is provided for keyboard users in order to maintain orientation on page.</p>
<p>3.1.2 Language of Parts (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Language is appropriately designated in page metadata as 'En', 'Fr', etc.</p>
<p>3.2.3 Consistent Navigation (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs 	<p>Web: Supports Electronic Docs: Not Applicable Authoring Tool: Not Applicable</p>	<p>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.</p>
<p>3.2.4 Consistent Identification (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs 	<p>Web: Supports Electronic Docs: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Components that have the same functionality within a set of Web pages are identified consistently.</p>
<p>3.3.3 Error Suggestion (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>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 but does offer search suggestions as the user types to help prevent errors ahead of time.</p>

Criteria	Conformance Level	Remarks and Explanations
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable	Web: User input for financial transactions (the purchase of a pay-per-view article) is reversible, checked, and confirmed.

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Notes:

Chapter 3: [Functional Performance Criteria \(FPC\)](#)

Notes: Based on direct testing with a variety of software assistance technologies on both PC and Mac platforms

Table 4 Functional Performance Criteria

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Supports	Project Euclid uses standard markup language to describe the identity, operation, and state of user interface elements. This affords basic functionality with common assistive technologies such as the NVDA and ChromeVox screen readers.
302.2 With Limited Vision	Supports	Support for standard browser magnification and contrast adjustments
302.3 Without Perception of Color	Partially supports	In the basic site design, color is not used solely to convey information, however, much of the scientific content on the site revolves around color and some of that content would be difficult to understand without color perception.

Criteria	Conformance Level	Remarks and Explanations
302.4 Without Hearing	Not applicable	No audio content is presented on the web site.
302.5 With Limited Hearing	Not applicable	No audio content is presented on the web site.
302.6 Without Speech	Not applicable	Project Euclid does not require speech input.
302.7 With Limited Manipulation	Supports	Supports standard and specialized computer input mechanisms meant for web browsing. Project Euclid does not require fine motor skills or simultaneous input actions to navigate.
302.8 With Limited Reach and Strength	Not applicable	
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	Supports in the sense of web site operation and navigation. Comprehension of the content is highly individualized.

Chapter 4: [Hardware](#)

Notes: Project Euclid is a web-based software product and is not subject to the requirements of this section.

Chapter 5: [Software](#)

Notes: Project Euclid has not yet been evaluated for compliance to the requirements of this section.

For display of mathematical notation, Project Euclid incorporates MathJax. See <https://docs.mathjax.org/en/latest/basic/accessibility.html>.

Chapter 6: [Support Documentation and Services](#)

Notes:

Table 5 Support Documentation and Services

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope		
602 Support Documentation		

Criteria	Conformance Level	Remarks and Explanations
602.2 Accessibility and Compatibility Features	Partially supports	Project Euclid provides accessibility information at https://projecteuclid.org/policies#:~:text=the%20copyright%20owner.-.Accessibility,-Project%20Euclid%20is
602.3 Electronic Support Documentation	Supports	Found at https://projecteuclid.org/help
602.4 Alternate Formats for Non-Electronic Support Documentation	Not applicable	Project Euclid support is supplied via electronic format and available via phone support services
<u>603 Support Services</u>		
603.2 Information on Accessibility and Compatibility Features	Supports	Support staff versed in accessibility and compatibility features of Project Euclid are available.
603.3 Accommodation of Communication Needs	Supports	Support services are available through a range of communication methods to accommodate the communication needs of individuals with disabilities.