

American Mathematical Society Accessibility Conformance Report

WCAG Edition

(Based on VPAT® Version 2.4Rev)

Name of Product/Version: MathSciNet Beta

Report Date: September 2023

Product Description: Reviewed Mathematical Paper Database

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Notes:

Evaluation Methods Used: Manual Review in combination with Siteimprove plugin for Chrome

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 (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.x Report

Note: When reporting on conformance with the WCAG 2.x 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)	Supports	
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Not Applicable	
1.2.2 Captions (Prerecorded) (Level A)	Not Applicable	
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Not Applicable	
1.3.1 Info and Relationships (Level A)	Supports	
1.3.2 Meaningful Sequence (Level A)	Supports	
1.3.3 Sensory Characteristics (Level A)	Supports	
1.4.1 Use of Color (Level A)	Supports	
1.4.2 Audio Control (Level A)	Not Applicable	
2.1.1 Keyboard (Level A)	Supports	
2.1.2 No Keyboard Trap (Level A)	Supports	
2.2.1 Timing Adjustable (Level A)	Not Applicable	
2.2.2 Pause, Stop, Hide (Level A)	Not Applicable	
2.3.1 Three Flashes or Below Threshold (Level A)	Not Applicable	
2.4.1 Bypass Blocks (Level A)	Supports	
2.4.2 Page Titled (Level A)	Supports	
2.4.3 Focus Order (Level A)	Partially Supports	Cursor position doesn't reset to the top of a page when selecting a link. Tab order continues normally from that point however, and refreshing the page does bring the cursor back to the top. This is a known bug with VueJS's Vue-Router.
2.4.4 Link Purpose (In Context) (Level A)	Supports	

Criteria	Conformance Level	Remarks and Explanations
3.1.1 Language of Page (Level A)	Supports	
3.2.1 On Focus (Level A)	Supports	
3.2.2 On Input (Level A)	Supports	Some content changes on input, but the context is the same. Example: changing the sorting or page size instantly applies, but the context is still the full list of search results
3.3.1 Error Identification (Level A)	Supports	Searches for Publications, Authors, Journals, and Series identify when a boolean is used with the wrong case
3.3.2 Labels or Instructions (Level A)	Supports	
4.1.1 Parsing (Level A)	Supports	
4.1.2 Name, Role, Value (Level A)	Supports	The double-ended slider on the Journal/Series page have roles and values. All other components are standard HTML controls.

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Not Applicable	
1.2.5 Audio Description (Prerecorded) (Level AA)	Not Applicable	
1.4.3 Contrast (Minimum) (Level AA)	Supports	
1.4.4 Resize text (Level AA)	Supports	Search results switch to the mobile view at 200%, which does not have a way to change the number of results per page, but does have a “More” button to continue to the next page
1.4.5 Images of Text (Level AA)	Supports	Only branding related images have text

Criteria	Conformance Level	Remarks and Explanations
2.4.5 Multiple Ways (Level AA)	Supports	In addition to being able to directly searching for them, articles, authors, journals, and series have links to their related content.
2.4.6 Headings and Labels (Level AA)	Supports	
2.4.7 Focus Visible (Level AA)	Partially Supports	Editing an author profile has a non-visible focus on the profile picture. The functionality is duplicated in buttons with visible focus.
3.1.2 Language of Parts (Level AA)	Not Applicable	There are non-English titles for some publications, but they're alongside their English translations. Non-English reviews are not in the database.
3.2.3 Consistent Navigation (Level AA)	Supports	
3.2.4 Consistent Identification (Level AA)	Supports	
3.3.3 Error Suggestion (Level AA)	Supports	When a lowercase boolean is detected in the search bar, there's a prompt that will allow users to replace it with an uppercase version
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Not Applicable	

Table 3: Success Criteria, Level AAA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.6 Sign Language (Prerecorded) (Level AAA)	Not Applicable	
1.2.7 Extended Audio Description (Prerecorded) (Level AAA)	Not Applicable	
1.2.8 Media Alternative (Prerecorded) (Level AAA)	Not Applicable	
1.2.9 Audio-only (Live) (Level AAA)	Not Applicable	
1.4.6 Contrast (Enhanced) (Level AAA)	Does Not Support	Too many parts of the UI have contrast ratios below 7.0 for this to be considered partially

Criteria	Conformance Level	Remarks and Explanations
		supported
1.4.7 Low or No Background Audio (Level AAA)	Not Applicable	
1.4.8 Visual Presentation (Level AAA)	Does Not Support	
1.4.9 Images of Text (No Exception) (Level AAA)	Supports	
2.1.3 Keyboard (No Exception) (Level AAA)	Supports	
2.2.3 No Timing (Level AAA)	Supports	
2.2.4 Interruptions (Level AAA)	Supports	
2.2.5 Re-authenticating (Level AAA)	Supports	
2.3.2 Three Flashes (Level AAA)	Supports	
2.4.8 Location (Level AAA)	Partially Supports	Journal and Series related pages (Title History and Volumes or Issues) have links back to the Journal/Series Profile. Article pages that are accessed directly by a search have a “Back to Search”, “Previous”, and “Next” button.
2.4.9 Link Purpose (Link Only) (Level AAA)	Supports	
2.4.10 Section Headings (Level AAA)	Partially Supports	Reviews are similar to longer form content not designed for web, and don’t have section headings splitting them up. The rest of the site breaks up content into headings
3.1.3 Unusual Words (Level AAA)	Partially Supports	Reviews have a lot of unusual words and jargon, which are not defined. The rest of the site tries to define unusual words.
3.1.4 Abbreviations (Level AAA)	Partially Supports	Abbreviations used by the static website are defined, however abbreviations used in reviews might not be.
3.1.5 Reading Level (Level AAA)	Partially Supports	Reviews are frequently about topics more complex than lower secondary education covers,

Criteria	Conformance Level	Remarks and Explanations
		and will use vocabulary above that level.
3.1.6 Pronunciation (Level AAA)	Does Not Support	
3.2.5 Change on Request (Level AAA)	Partially Supports	Selecting a new Citation Format instantly refreshes the displayed citation format. Selecting a new Results Per Page instantly refreshes the displayed results. Selecting a new Sorting format instantly refreshes the displayed results. All other changes (such as filters, setting up queries, etc) do not trigger an update.
3.3.5 Help (Level AAA)	Does Not Support	Generic help pages are available, but they're not context sensitive
3.3.6 Error Prevention (All) (Level AAA)	Supports	User submitted information is reversible

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