

# American Mathematical Society

## Accessibility Conformance Report

### WCAG Edition

(Based on VPAT<sup>®</sup> Version 2.5)

**Name of Product/Version: MathSciNet**

**Report Date: October 2024**

**Product Description: Reviewed Mathematical Paper Database**

**Contact Information: msn-support@ams.org**

**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
<a href="#">Web Content Accessibility Guidelines 2.0</a>	Level A (Yes) Level AA (Yes)

Standard/Guideline	Included In Report
	Level AAA (Yes)
<a href="#">Web Content Accessibility Guidelines 2.1</a>	Level A (Yes) Level AA (Yes) Level AAA (Yes)
<a href="#">Web Content Accessibility Guidelines 2.2</a>	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 only be used in WCAG Level AAA criteria.

## 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
<a href="#">1.1.1 Non-text Content</a> (Level A)	Supports	
<a href="#">1.2.1 Audio-only and Video-only (Prerecorded)</a> (Level A)	Not Applicable	
<a href="#">1.2.2 Captions (Prerecorded)</a> (Level A)	Not Applicable	
<a href="#">1.2.3 Audio Description or Media Alternative (Prerecorded)</a> (Level A)	Not Applicable	
<a href="#">1.3.1 Info and Relationships</a> (Level A)	Supports	
<a href="#">1.3.2 Meaningful Sequence</a> (Level A)	Supports	
<a href="#">1.3.3 Sensory Characteristics</a> (Level A)	Supports	Directional language is found in the Terms of Use, but are in reference to blocks of text that came before or after.
<a href="#">1.4.1 Use of Color</a> (Level A)	Supports	Links are indicated by color instead of underlines, but meet success criteria G183 of having a contrast ratio minimum of 3:1 compared to surrounding text and show underline on hover.
<a href="#">1.4.2 Audio Control</a> (Level A)	Not Applicable	
<a href="#">2.1.1 Keyboard</a> (Level A)	Supports	
<a href="#">2.1.2 No Keyboard Trap</a> (Level A)	Supports	
<a href="#">2.1.4 Character Key Shortcuts</a> (Level A 2.1 and 2.2)	Supports	
<a href="#">2.2.1 Timing Adjustable</a> (Level A)	Not Applicable	
<a href="#">2.2.2 Pause, Stop, Hide</a> (Level A)	Not Applicable	
<a href="#">2.3.1 Three Flashes or Below Threshold</a> (Level A)	Not Applicable	
<a href="#">2.4.1 Bypass Blocks</a> (Level A)	Supports	
<a href="#">2.4.2 Page Titled</a> (Level A)	Supports	
<a href="#">2.4.3 Focus Order</a> (Level A)	Supports	
<a href="#">2.4.4 Link Purpose (In Context)</a> (Level A)	Supports	Links that were missing context have been updated to have context
<a href="#">2.5.1 Pointer Gestures</a> (Level A 2.1 and 2.2)	Supports	
<a href="#">2.5.2 Pointer Cancellation</a> (Level A 2.1 and 2.2)	Supports	

Criteria	Conformance Level	Remarks and Explanations
<a href="#">2.5.3 Label in Name</a> (Level A 2.1 and 2.2)	Does Not Support	Most of the UI was designed without this in mind. It will take time to add names to all UI components.
<a href="#">2.5.4 Motion Actuation</a> (Level A 2.1 and 2.2)	Not Applicable	
<a href="#">3.1.1 Language of Page</a> (Level A)	Supports	
<a href="#">3.2.1 On Focus</a> (Level A)	Supports	
<a href="#">3.2.2 On Input</a> (Level A)	Supports	
<a href="#">3.2.6 Consistent Help</a> (Level A 2.2 only)	Supports	
<a href="#">3.3.1 Error Identification</a> (Level A)	Supports	
<a href="#">3.3.2 Labels or Instructions</a> (Level A)	Supports	
<a href="#">3.3.7 Redundant Entry</a> (Level A 2.2 only)	Supports	
<a href="#">4.1.1 Parsing</a> (Level A) WCAG 2.0 and 2.1 – Always answer ‘Supports’ WCAG 2.2 (obsolete and removed) - Does not apply	Supports	For WCAG 2.0 and 2.1, the September 2023 errata update indicates this criterion is always supported. See the <a href="#">WCAG 2.0 Editorial Errata</a> and the <a href="#">WCAG 2.1 Editorial Errata</a> .
<a href="#">4.1.2 Name, Role, Value</a> (Level A)	Supports	All of the UI controls are default HTML elements with added styling. This should keep them recognizable to assistive technology.

## Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
<a href="#">1.2.4 Captions (Live)</a> (Level AA)	Not Applicable	
<a href="#">1.2.5 Audio Description (Prerecorded)</a> (Level AA)	Not Applicable	
<a href="#">1.3.4 Orientation</a> (Level AA 2.1 and 2.2)	Supports	
<a href="#">1.3.5 Identify Input Purpose</a> (Level AA 2.1 and 2.2)	Supports	
<a href="#">1.4.3 Contrast (Minimum)</a> (Level AA)	Supports	
<a href="#">1.4.4 Resize text</a> (Level AA)	Partially Supports	At 200% zoom the search results switch into mobile view, which currently lacks a way to select a page and change the number of results per page

Criteria	Conformance Level	Remarks and Explanations
<a href="#">1.4.5 Images of Text</a> (Level AA)	Supports	
<a href="#">1.4.10 Reflow</a> (Level AA 2.1 and 2.2)	Partially Supports	The UI reflows and scales in most situations, but 320x256 CSS pixels is too small for some UI elements. Date pickers fail, and graph titles on Journal and Series profiles overflow off the visible area.
<a href="#">1.4.11 Non-text Contrast</a> (Level AA 2.1 and 2.2)	Supports	
<a href="#">1.4.12 Text Spacing</a> (Level AA 2.1 and 2.2)	Supports	
<a href="#">1.4.13 Content on Hover or Focus</a> (Level AA 2.1 and 2.2)	Supports	
<a href="#">2.4.5 Multiple Ways</a> (Level AA)	Supports	Journal Issues, Journal History, Series Volumes, and Series History are only accessible from their respective Journal/Series profile pages, but the profile pages are a logical step to getting to those destination pages.
<a href="#">2.4.6 Headings and Labels</a> (Level AA)	Supports	
<a href="#">2.4.7 Focus Visible</a> (Level AA)	Supports	
<a href="#">2.4.11 Focus Not Obscured (Minimum)</a> (Level AA 2.2 only)	Supports	
<a href="#">2.5.7 Dragging Movements</a> (Level AA 2.2 only)	Supports	
<a href="#">2.5.8 Target Size (Minimum)</a> (Level AA 2.2 only)	Supports	
<a href="#">3.1.2 Language of Parts</a> (Level AA)	Not Applicable	
<a href="#">3.2.3 Consistent Navigation</a> (Level AA)	Supports	
<a href="#">3.2.4 Consistent Identification</a> (Level AA)	Supports	Components with the same text and purpose have the same name.
<a href="#">3.3.3 Error Suggestion</a> (Level AA)	Supports	
<a href="#">3.3.4 Error Prevention (Legal, Financial, Data)</a> (Level AA)	Not Applicable	
<a href="#">3.3.8 Accessible Authentication (Minimum)</a> (Level AA 2.2 only)	Supports	
<a href="#">4.1.3 Status Messages</a> (Level AA 2.1 and 2.2)	Partially Supports	Some alerts and status messages have the required roles added to them, but not all.

**Table 3: Success Criteria, Level AAA**

Notes:

Criteria	Conformance Level	Remarks and Explanations
<a href="#">1.2.6 Sign Language (Prerecorded)</a> (Level AAA)	Not Applicable	
<a href="#">1.2.7 Extended Audio Description (Prerecorded)</a> (Level AAA)	Not Applicable	
<a href="#">1.2.8 Media Alternative (Prerecorded)</a> (Level AAA)	Not Applicable	
<a href="#">1.2.9 Audio-only (Live)</a> (Level AAA)	Not Applicable	
<a href="#">1.3.6 Identify Purpose</a> (Level AAA 2.1 and 2.2)	Not Evaluated	
<a href="#">1.4.6 Contrast (Enhanced)</a> (Level AAA)	Does Not Support	
<a href="#">1.4.7 Low or No Background Audio</a> (Level AAA)	Not Applicable	
<a href="#">1.4.8 Visual Presentation</a> (Level AAA)	Does Not Support	
<a href="#">1.4.9 Images of Text (No Exception)</a> (Level AAA)	Supports	
<a href="#">2.1.3 Keyboard (No Exception)</a> (Level AAA)	Supports	
<a href="#">2.2.3 No Timing</a> (Level AAA)	Supports	
<a href="#">2.2.4 Interruptions</a> (Level AAA)	Supports	
<a href="#">2.2.5 Re-authenticating</a> (Level AAA)	Not Evaluated	
<a href="#">2.2.6 Timeouts</a> (Level AAA 2.1 and 2.2)	Not Evaluated	
<a href="#">2.3.2 Three Flashes</a> (Level AAA)	Supports	
<a href="#">2.3.3 Animation from Interactions</a> (Level AAA 2.1 and 2.2)	Not Evaluated	
<a href="#">2.4.8 Location</a> (Level AAA)	Not Evaluated	
<a href="#">2.4.9 Link Purpose (Link Only)</a> (Level AAA)	Not Evaluated	
<a href="#">2.4.10 Section Headings</a> (Level AAA)	Not Evaluated	
<a href="#">2.4.12 Focus Not Obscured (Enhanced)</a> (Level AAA 2.2 only)	Supports	There's no customizable user interface that can overlap with focus
<a href="#">2.4.13 Focus Appearance</a> (Level AAA 2.2 only)	Not Evaluated	
<a href="#">2.5.5 Target Size</a> (Level AAA 2.1 and 2.2)	Does Not Support	
<a href="#">2.5.6 Concurrent Input Mechanisms</a> (Level AAA 2.1 and 2.2)	Not Evaluated	
<a href="#">3.1.3 Unusual Words</a> (Level AAA)	Partially Supports	While not possible for review text or article/book titles, unusual words specific to MathSciNet usually have a definition, either nearby on the page they occur or in the Help pages.
<a href="#">3.1.4 Abbreviations</a> (Level AAA)	Partially Supports	While not possible for review text or article/book titles, abbreviations specific to MathSciNet usually are

Criteria	Conformance Level	Remarks and Explanations
		explained, either nearby on the page they occur or in the Help pages.
<a href="#">3.1.5 Reading Level</a> (Level AAA)	Does Not Support	Not possible for review text, and some words (like Corrigendum) are intentionally left as is to preserve clarity for users with higher reading levels.
<a href="#">3.1.6 Pronunciation</a> (Level AAA)	Does Not Support	
<a href="#">3.2.5 Change on Request</a> (Level AAA)	Not Evaluated	
<a href="#">3.3.5 Help</a> (Level AAA)	Not Evaluated	
<a href="#">3.3.6 Error Prevention (All)</a> (Level AAA)	Not Evaluated	
<a href="#">3.3.9 Accessible Authentication (Enhanced)</a> (Level AAA 2.2 only)	Not Evaluated	