American Mathematical Society Accessibility Conformance Report

Revised Section 508 Edition

VPAT® Version 2.3 (Revised) – April 2019

Name of Product/Version: MathSciNet

Product Description: Reviewed Mathematical Paper Database

Report Date: Dec 12, 2019

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

[Web Content Accessibility Guidelines 2.0](#)	Level A (Yes)
	Level AA (Yes)
	Level AAA (Yes)
[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 1 and 2 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 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Supports	Image links ("New Features" and "Remote Access") have alt text included
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Supports	No Audio/Video content
1.2.2 Captions (Prerecorded) (Level A)	Supports	No Audio/Video content
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Supports	No Audio/Video content
1.3.1 Info and Relationships (Level A)	Does Not Support	* Authors page's "Published as" doesn't make programmatic sense. * MSC page uses whitespace to organize content. * Help pages uses the wrong tag for table headers. * Publications page doesn't label Inputs or Checkboxes
1.3.2 Meaningful Sequence (Level A)	Supports	No alternating text directions, meaningful sequence maintained throughout
1.3.3 Sensory Characteristics (Level A)	Supports	No instructions rely solely on sensory characteristics
1.4.1 Use of Color (Level A)	Does Not Support	Many pages lack proper color contrast in some portion
1.4.2 Audio Control (Level A)	Supports	No Audio/Video content
2.1.1 Keyboard (Level A)	Supports with Exceptions	* Search page can't return to the Time Frame selector once Year Range has been selected * Publications page can't access the Publication Year, Indexed date, or Review Published date, since those rely on hovering over text * Publications page can't change Batch Download due to automatic selection

Criteria	Conformance Level	Remarks and Explanations
2.1.2 No Keyboard Trap (Level A)	Supports with Exception	Search page can't return to the Time Frame selector once Year Range has been selected
2.2.1 Timing Adjustable (Level A)	Supports	No content with time limit
2.2.2 Pause, Stop, Hide (Level A)	Supports	No content fits the criteria
2.3.1 Three Flashes or Below Threshold (Level A)	Supports	No flashing elements
2.4.1 Bypass Blocks (Level A)	Does Not Support	No ARIA landmarks. No way to skip navigation.
2.4.2 Page Titled (Level A)	Supports	Titles are used and are meaningful
2.4.3 Focus Order (Level A)	Supports with Exceptions	* Header/Footer have some items that go right to left instead of left to right * Free Tools skips content until last, goes in unusual order inside the content
2.4.4 Link Purpose (In Context) (Level A)	Supports	All links are clear in context, or equally ambiguous for all users
3.1.1 Language of Page (Level A)	Supports	Each page has <html lang="en">
3.2.1 On Focus (Level A)	Supports with Exceptions	* Search page "Time Frame" will automatically push you into the next focus item * Publications page "Sort by" automatically refreshes the page * Document page "Select alternative format" automatically loads the focused content
3.2.2 On Input (Level A)	Supports with Exceptions	* Publications page filter checkboxes automatically trigger and reloads the page
3.3.1 Error Identification (Level A)	Supports	No input error detection to result in error identification
3.3.2 Labels or Instructions (Level A)	Does Not Support	Labels are used incorrectly or not at all

Criteria	Conformance Level	Remarks and Explanations
4.1.1 Parsing (Level A)	Supports	No malformed HTML, no duplicate IDs
4.1.2 Name, Role, Value (Level A)	Supports with Exceptions	* States, properties, and values can be set programmatically * Name and roles might not be programmatically determinable

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Not Applicable	No Audio/Video content
1.2.5 Audio Description (Prerecorded) (Level AA)	Not Applicable	No Audio/Video content
1.4.3 Contrast (Minimum) (Level AA)	Does Not Support	Many pages lack proper color contrast in some portion
1.4.4 Resize text (Level AA)	Supports	Browsers provide zoom functionality, and all functionality is the same at 200% zoom
1.4.5 Images of Text (Level AA)	Supports with Exceptions	Search Page has an image with text describing the Remote Access feature. The Remote Access logo itself is exempt.
2.4.5 Multiple Ways (Level AA)	Supports	There are multiple ways to access different pages
2.4.6 Headings and Labels (Level AA)	Supports with Exceptions	MSC page lacks headings
2.4.7 Focus Visible (Level AA)	Supports	Focus is always visible on all pages

Criteria	Conformance Level	Remarks and Explanations
3.1.2 Language of Parts (Level AA)	Supports	Only proper names of authors or journals aren't in English
3.2.3 Consistent Navigation (Level AA)	Supports with Exceptions	* The header/footer navigation is in a consistent order for most pages * Search page and Librarians page has a different header navigation (extra links) * Reviewers page has a completely different header navigation
3.2.4 Consistent Identification (Level AA)	Supports	Terminology is consistent across the website.
3.3.3 Error Suggestion (Level AA)	Supports	Input errors in Contact page use text to say what is wrong.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Supports	No portion of the website is used for legal commitments or financial transactions.

Table 3: Success Criteria, Level AAA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.6 Sign Language (Prerecorded) (Level AAA)	Not Applicable	No Audio/Video content
1.2.7 Extended Audio Description (Prerecorded) (Level AAA)	Not Applicable	No Audio/Video content
1.2.8 Media Alternative (Prerecorded) (Level AAA)	Not Applicable	No Audio/Video content
1.2.9 Audio-only (Live) (Level AAA)	Not Applicable	No Audio/Video content

Criteria	Conformance Level	Remarks and Explanations
1.4.6 Contrast Enhanced (Level AAA)	Does Not Support	Many pages lack proper color contrast in some portion
1.4.7 Low or No Background Audio (Level AAA)	Not Applicable	No Audio/Video content
1.4.8 Visual Presentation (Level AAA)	Supports	Verified using Siteimprove
1.4.9 Images of Text (No Exception) Control (Level AAA)	Supports with Exceptions	Search Page has an image with text describing the Remote Access feature. The Remote Access logo itself is exempt.
2.1.3 Keyboard (No Exception) (Level AAA)	Supports with Exceptions	* Search page can't return to the Time Frame selector once Year Range has been selected * Publications page can't access the Publication Year, Indexed date, or Review Published date, since those rely on hovering over text * Publications page can't change Batch Download due to automatic selection
2.2.3 No Timing (Level AAA)	Not Applicable	No timing events present
2.2.4 Interruptions (Level AAA)	Supports	No interruptions or automatic refreshes
2.2.5 Re-authenticating (Level AAA)	Supports	No data loss when re-authenticating
2.3.2 Three Flashes (Level AAA)	Not Applicable	No flashing elements
2.4.8 Location (Level AAA)	Does Not Support	* Navigation doesn't update to show which page the user is currently on. * "Contact Us" link is labeled as "Support Mail" on the page. * Author page "Refine Search" doesn't take you back to the old search, it creates a new search * Publication Hit page should have a way to go back to the search

Criteria	Conformance Level	Remarks and Explanations
[2.4.9 Link Purpose (Link Only)](#) (Level AAA)	Supports with Exceptions	* Publications page has many links that aren't explained by text in the link, requiring the user to be aware of the text around the link
[2.4.10 Section Headings](#) (Level AAA)	Supports with Exceptions	* MSC page uses indents instead of headings
[3.1.3 Unusual Words](#) (Level AAA)	Supports with Exceptions	* Free Tools page has the term "Use Edros" * Reference List page doesn't define what a "Reference List" is * Reviews may have unusual words that are targeted for an audience with a higher understanding of mathematics
[3.1.4 Abbreviations](#) (Level AAA)	Supports with Exceptions	* Search page doesn't define MSC, MR, DOI * Reviews may have abbreviations used that are targeted for an audience with a higher understanding of mathematics
[3.1.5 Reading Level](#) (Level AAA)	Not Evaluated	Reviews that are targeted for an audience with a higher understanding of mathematics, and necessitates a higher reading level
[3.1.6 Pronunciation](#) (Level AAA)	Not Evaluated	Reviews may have unusual words that are targeted for an audience with a higher understanding of mathematics
[3.2.5 Change on Request](#) (Level AAA)	Supports	All changes are triggered by a user action
[3.3.5 Help](#) (Level AAA)	Supports with Exceptions	* Journal page has outdated help * Journal History page has incorrect help * Issues page has incorrect help *Reference Lists page has incorrect help
[3.3.6 Error Prevention (All)](#) (Level AAA)	Supports with Exceptions	* Contact Us page doesn't fully check input for errors, doesn't confirm the final submission, and submissions aren't reversible

Revised Section 508 Report

Notes:

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

Notes: The scope documentation for these categories is referring to a Level A or Level AA degree of conformance

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Supports	Screen readers should be reasonably effective with the website
302.2 With Limited Vision	Supports	This functionality is provided by either the operating system or the browser the customer is using to access the website
302.3 Without Perception of Color	Supports	Color is never used as the sole means of identifying information
302.4 Without Hearing	Supports	No Audio/Video content
302.5 With Limited Hearing	Supports	No Audio/Video content
302.6 Without Speech	Supports	No Audio input is required
302.7 With Limited Manipulation	Supports	Keyboard only navigation is possible
302.8 With Limited Reach and Strength	Supports	Keyboard only navigation is possible
302.9 With Limited Language, Cognitive, and Learning Abilities	Not Evaluated	This fundamentally conflicts with the reviews that MathSciNet provides

Chapter 5: [Software](#)

Notes: The scope documentation for these categories is referring to a Level A or Level AA degree of conformance

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See [WCAG 2.0](#) section	See information in WCAG 2.0 section

Criteria	Conformance Level	Remarks and Explanations
502 Interoperability with Assistive Technology	Heading cell – no response required	Heading cell – no response required
502.2.1 User Control of Accessibility Features	Not Applicable	Exempt: No access to Platform accessibility services
502.2.2 No Disruption of Accessibility Features	Not Applicable	Exempt: No access to Platform accessibility services
502.3 Accessibility Services	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	Not Applicable	Exempt: Not Platform Software nor Software Tool
502.3.2 Modification of Object Information	Not Applicable	Exempt: Not Platform Software nor Software Tool
502.3.3 Row, Column, and Headers	Not Applicable	Exempt: Not Platform Software nor Software Tool
502.3.4 Values	Not Applicable	Exempt: Not Platform Software nor Software Tool
502.3.5 Modification of Values	Not Applicable	Exempt: Not Platform Software nor Software Tool
502.3.6 Label Relationships	Not Applicable	Exempt: Not Platform Software nor Software Tool
502.3.7 Hierarchical Relationships	Not Applicable	Exempt: Not Platform Software nor Software Tool
502.3.8 Text	Not Applicable	Exempt: Not Platform Software nor Software Tool
502.3.9 Modification of Text	Not Applicable	Exempt: Not Platform Software nor Software Tool
502.3.10 List of Actions	Not Applicable	Exempt: Not Platform Software nor Software Tool
502.3.11 Actions on Objects	Not Applicable	Exempt: Not Platform Software nor Software Tool
502.3.12 Focus Cursor	Not Applicable	Exempt: Not Platform Software nor Software Tool

Criteria	Conformance Level	Remarks and Explanations
502.3.13 Modification of Focus Cursor	Not Applicable	Exempt: Not Platform Software nor Software Tool
502.3.14 Event Notification	Not Applicable	Exempt: Not Platform Software nor Software Tool
502.4 Platform Accessibility Features	Not Applicable	Exempt: Not Platform Software
503 Applications	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	Not Applicable	Exempt: No access to Platform accessibility services, and Web applications are specifically exempt
503.3 Alternative User Interfaces	Not Applicable	Exempt: No access to Platform accessibility services
503.4 User Controls for Captions and Audio Description	Heading cell – no response required	Heading cell – no response required
503.4.1 Caption Controls	Not Applicable	Exempt: No access to Platform accessibility services
503.4.2 Audio Description Controls	Not Applicable	Exempt: No access to Platform accessibility services
504 Authoring Tools	Heading cell – no response required	Heading cell – no response required
504.2 Content Creation or Editing (if not authoring tool, enter "not applicable")	See WCAG 2.0 section	See information in WCAG 2.0 section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Supports	Reviewers can upload LaTeX or TeX files for conversion, neither of which have additional accessibility information to preserve
504.2.2 PDF Export	Not Applicable	The review is added to the database from the authoring tool, not made available as a PDF download
504.3 Prompts	Not Applicable	It's not possible for authors to create content which does not support Level A and Level AA success criteria with our tools, so prompts are not needed
504.4 Templates	Not Applicable	No templates are provided

Chapter 6: Support Documentation and Services

Notes:

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required
602 Support Documentation	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	Not Applicable	No special accessibility/compatibility features to document at this time
602.3 Electronic Support Documentation	See WCAG 2.0 section	See information in WCAG 2.0 section
602.4 Alternate Formats for Non-Electronic Support Documentation	Not Applicable	Support documentation is provided electronically
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Not Applicable	No special accessibility/compatibility features to document at this time
603.3 Accommodation of Communication Needs	Supports	Contact Us page has phone number and email support available

Legal Disclaimer (Company)

Include your company legal disclaimer here, if needed.