American Mathematical Society Accessibility Conformance Report

Revised Section 508 Edition

VPAT® Version 2.2 – July 2018

Name of Product/Version: MathSciNet

Product Description: Reviewed Mathematical Paper Database

Date: March 28, 2018

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, at *http://www.w3.org/TR/2008/REC-WCAG20-20081211/*	Level A (Yes) Level AA (Yes) Level AAA (No)
Revised Section 508 standards as published by the U.S. Access Board in the Federal Register on January 18, 2017 Corrections to the ICT Final Rule as published by the US Access Board in the Federal Register on 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	No roles or aria markings for landmarks, many missing labels for input fields, some unused <h3> tags, no <h1> tags
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 links are distinguished only by color (until you mouse over them)
1.4.2 Audio Control (Level A)	Supports	No Audio/Video content
2.1.1 Keyboard (Level A)	Supports with Exceptions	Publication page, Publication Year and Indexed date only accessible via mouse hover over
2.1.2 No Keyboard Trap (Level A)	Supports	Only one portion of the site redirects focus, but you can use the keyboard to get back to the previous point
2.2.1 Timing Adjustable (Level A)	Supports	No content with time limit
2.2.2 Pause, Stop, Hide (Level A)	Supports	No content that needs these features

Criteria	Conformance Level	Remarks and Explanations
2.3.1 Three Flashes or Below Threshold	Supports	No flashing elements
2.4.1 Bypass Blocks (Level A)	Does Not Support	No ARIA landmarks or other ways to skip repeated sections
2.4.2 Page Titled (Level A)	Supports	Title used, Page title meaningfully identifies the page
2.4.3 Focus Order (Level A)	Supports with Exceptions	Publications page order is different than others, the search page moves focus when selecting a time frame to search
2.4.4 Link Purpose (In Context) (Level A)	Supports with Exceptions	"Clipboard" is the name of a link used to both view your clipboard and add to it
3.1.1 Language of Page (Level A)	Supports	Included as an attribute in the HTML tag
3.2.1 On Focus (Level A)	Supports	No persistent changes in state/value when an object is focused
3.2.2 On Input (Level A)	Supports with Exceptions	Filters on the publications page instantly take effect, as well as resetting the focus back to it's start
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)	Supports	Several selection boxes do not have labels associated with them
4.1.1 Parsing (Level A)	Supports	No malformed HTML, no duplicate attributes
4.1.2 Name, Role, Value (Level A)	Does Not Support	No label on selection box, no "go" or "submit" button on selections that automatically move you to a new view

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Supports	No Audio/Video content
1.2.5 Audio Description (Prerecorded) (Level AA)	Supports	No Audio/Video content
1.4.3 Contrast (Minimum) (Level AA)	Does Not Support	Text colors defined in CSS, orange links have a contrast ratio of 3.9:1 instead of 4.5:1, some pages have gray text

Criteria	Conformance Level	Remarks and Explanations
		on gray backgrounds
1.4.4 Resize text (Level AA)	Supports	Resizes up to 200% with all functionality and content maintained
1.4.5 Images of Text (Level AA)	Supports	Text is used instead of images to convey content
2.4.5 Multiple Ways (Level AA)	Supports	Pages are results of or steps in processes, and thus excluded
2.4.6 Headings and Labels (Level AA)	Supports with Exceptions	Some elements aren't clearly labeled
2.4.7 Focus Visible (Level AA)	Supports with Exceptions	Publications page fails, the tab selection disappears on the filters
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	The header/footer navigation is in the same order, same place, and behaves the same on every page
3.2.4 Consistent Identification (Level AA)	Supports	Terminology for links is the same across the entire site
3.3.3 Error Suggestion (Level AA)	Supports	No error detection or correction suggestion
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Supports	No portion of the site is used for entering or deleting that kind of information

Table 3: Success Criteria, Level AAA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.6 Sign Language (Prerecorded) (Level AAA)	Supports	No Audio/Video content
1.2.7 Extended Audio Description (Prerecorded) (Level AAA)	Supports	No Audio/Video content
1.2.8 Media Alternative (Prerecorded) (Level AAA)	Supports	No Audio/Video content
1.2.9 Audio-only (Live) (Level AAA)	Supports	No Audio/Video content
1.4.6 Contrast Enhanced (Level AAA)	Does Not Support	Text colors defined in CSS, orange links have a contrast ratio of 3.9:1 instead of 7:1

Criteria	Conformance Level	Remarks and Explanations
1.4.7 Low or No Background Audio (Level AAA)	Supports	No Audio/Video content
1.4.8 Visual Presentation (Level AAA)	Supports	This will depend on the tool used to force the browser to change foreground/background colors, but should work if those tools are capable of taking priority over the CSS.
1.4.9 Images of Text (No Exception) Control (Level AAA)	Supports	Text is used instead of images to convey content
2.1.3 Keyboard (No Exception) (Level AAA)	Does Not Support	Publication page, Publication Year and Indexed date only accessible via mouse hover over
2.2.3 No Timing (Level AAA)	Supports	No timing events present
2.2.4 Interruptions (Level AAA)	Supports	No interruptions
2.2.5 Re-authenticating (Level AAA)	Supports	No logins, all relevant content is saved in the URL
2.3.2 Three Flashes (Level AAA)	Supports	No flashing elements
2.4.8 Location (Level AAA)	Does Not Support	Not present in any form
2.4.9 Link Purpose (Link Only) (Level AAA)	Supports with Exceptions	The text used in some links is inadequately describes the link's purpose
2.4.10 Section Headings (Level AAA)	Does Not Support	No <h1>'s, empty <h3>'s on some pages
3.1.3 Unusual Words (Level AAA)	Does Not Support	No definitions of terminology that can appear in descriptions
3.1.4 Abbreviations (Level AAA)	Does Not Support	No definitions for abbreviations that can appear in descriptions
3.1.5 Reading Level (Level AAA)	Does Not Support	No additional resources suggested for content in descriptions
3.1.6 Pronunciation (Level AAA)	Does Not Support	No way to look up pronunciation that can appear in descriptions
3.2.5 Change on Request (Level AAA)	Supports	No context automatically updates
3.3.5 Help (Level AAA)	Does Not Support	No context sensitive help
3.3.6 Error Prevention (All) (Level AAA)	Supports	No portion of the site falls into the Legal Transaction, Deleting Information, or Testing criteria which require this.

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Notes:

Chapter 3: Functional Performance Criteria (FPC)

Notes:

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Supports	Screen Reader technologies should be able to provide the needed accessibility
302.2 With Limited Vision	Does Not Support	There's no built in way to modify the visual settings of the site. CSS could be modified with various accessiblity tools
302.3 Without Perception of Color	Supports	Color Perception is not needed to operate the site, grayscale works fine
302.4 Without Hearing	Supports	No Audio Output
302.5 With Limited Hearing	Supports	No Audio Output
302.6 Without Speech	Supports	No Audio Input
302.7 With Limited Manipulation	Supports	Fine manipulation not needed to operate site
302.8 With Limited Reach and Strength	Supports	Reach/Strength not needed to operate site
302.9 With Limited Language, Cognitive, and Learning Abilities	Does Not Support	The reviews are intended for users with extensive knowledge of mathematic principles.

Chapter 4: Hardware

Notes: Not Applicable

Chapter 5: Software

Notes:

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See [WCAG 2.0](#) section	See information in WCAG section
502 Interoperability with Assistive Technology	Heading cell – no response required	Heading cell – no response required
502.2.1 User Control of Accessibility Features	Does Not Support	The only accessibility related options are to use Sans Serif font or Serif font.
502.2.2 No Disruption of Accessibility Features	Supports	Nothing in the website interferes with accessibility tools
502.3 Accessibility Services	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	Supports	Standard HTML values, states, names, etc.
502.3.2 Modification of Object Information	Supports	Standard HTML states and properties, which should be modifiable by assistive technologies
502.3.3 Row, Column, and Headers	Does Not Support	Citation table relies primarily on to split the years instead of proper table layout
502.3.4 Values	Supports	Standard HTML value entry
502.3.5 Modification of Values	Supports	Standard HTML value entry
502.3.6 Label Relationships	Does Not Support	Relationships only described visually, not programmatically with label attributes
502.3.7 Hierarchical Relationships	Supports	Forum elements are grouped together under their parent elements
502.3.8 Text	Supports	Standard HTML text display
502.3.9 Modification of Text	Supports	Standard HTML text entry
502.3.10 List of Actions	Supports	Actions are via standard HTML
502.3.11 Actions on Objects	Supports	Actions are via standard HTML
502.3.12 Focus Cursor	Supports with Exceptions	The filters on search results do not show

Criteria	Conformance Level	Remarks and Explanations
		focus
502.3.13 Modification of Focus Cursor	Supports	Standard HTML focus is all that's needed
502.3.14 Event Notification	Supports	All changes happen through ordinary HTML means
502.4 Platform Accessibility Features	Supports	No Audio/Video, all entries are standard HTML
503 Applications	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	Does Not Support	Users wishing to change font size, color, contrast, cursors, etc. will need to use CSS modification to do so.
503.3 Alternative User Interfaces	Does Not Support	No alternative user interface is available
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	No video content
503.4.2 Audio Description Controls	Not Applicable	No audio content
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 section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not Applicable	No authoring tools
504.2.2 PDF Export	Does Not Support	Exports to PDF 1.4 instead of 1.7
504.3 Prompts	Not Applicable	No authoring tools
504.4 Templates	Not Applicable	No templates 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

Criteria	Conformance Level	Remarks and Explanations
602 Support Documentation	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	Does Not Support	No documentation for accessibility features
602.3 Electronic Support Documentation	See [WCAG 2.0](#) section	See information in WCAG section
602.4 Alternate Formats for Non-Electronic Support Documentation	Not Applicable	Support documentation is not available in non-electronic formats
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Does Not Support	Accessibility assessments are not distributed to support staff at this time
603.3 Accommodation of Communication Needs	Supports With Exceptions	Email and phone calls are the only means to reach support. TTY not supported.

Legal Disclaimer (Company)

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