The MathWorks, Inc.

Accessibility Conformance Report

WCAG Edition

VPAT® Version 2.3 (Revised) – April 2019

Name of Product/Version: MATLAB Grader

Product Description: MATLAB Grader provides automatic grading of students' MATLAB code, real-time feedback to students, access to the latest version of MATLAB and toolboxes for use in assessments, and integration within a learning environment and gradebook using Learning Tool Interoperability (LTI) standards.

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Notes: This VPAT covers the learner's view of solution-authoring and submission using MATLAB Grader embedded within a learning environment. The instructor's view is out of scope for this assessment.

Please note that the changes to overall codebase of MATLAB Grader is deployed frequently, which might change the level of accessibility of the product. Please refer to release notes for a list of major changes.

Evaluation Methods Used:

- **Screen Reader:** Tested with NVDA on Windows 10 running the application in the latest version of Chrome browser.

- **Contrast check:** Tested in Windows 10 High Contrast themes enabled and checked contrast with Color Contrast Checker.

- **Text resize:** Tested content and functionality at different zoom levels (up to 200%) in the latest version of Chrome browser.

- **Manual check:** audio/video content, sensory characteristics, keyboard navigation, focus visible, focus order, images of text, consistent navigation, error messages.

Applicable Standards/Guidelines

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

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"Voluntary Product Accessibility Template" and "VPAT" are registered
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Standard/Guideline	Included In Report
[Web Content Accessibility Guidelines 2.0](#)	Level A (Yes)
	Level AA (Yes)
	Level AAA (No)
[Web Content Accessibility Guidelines 2.1](#)	Level A (Yes)
	Level AA (Yes)
	Level AAA (No)

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 2.1 Report

Note: When reporting on conformance with the WCAG 2.1 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

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content	Partially Supports	Instructors have an option to add alternate text for images added to a problem description. Figures generated by code do not have alternate text.
1.2.1 Audio-only and Video-only (Prerecorded)	Not Applicable	
1.2.2 Captions (Prerecorded)	Not Applicable	
1.2.3 Audio Description or Media Alternative (Prerecorded)	Not Applicable	
1.3.1 Info and Relationships	Partially Supports	Some information in My Solutions view is not exposed to assistive technology. Equations are not read by screen readers.
1.3.2 Meaningful Sequence	Supports	
1.3.3 Sensory Characteristics	Supports	
1.4.1 Use of Color	Supports	Information in figures can be conveyed by color and pattern, based on the learner's selection.
1.4.2 Audio Control	Not Applicable	
2.1.1 Keyboard	Supports	
2.1.2 No Keyboard Trap	Supports	
2.1.4 Character Key Shortcuts	Supports	
2.2.1 Timing Adjustable	Not Applicable	
2.2.2 Pause, Stop, Hide	Not Applicable	
2.3.1 Three Flashes or Below Threshold	Not Applicable	
2.4.1 Bypass Blocks	Not Applicable	
2.4.2 Page Titled	Not Applicable	
2.4.3 Focus Order	Supports	

Criteria	Conformance Level	Remarks and Explanations
2.4.4 Link Purpose (In Context)	Supports	
2.5.1 Pointer Gestures	Not Applicable	
2.5.2 Pointer Cancellation	Supports	
2.5.3 Label in Name	Supports	
2.5.4 Motion Actuation	Not Applicable	
3.1.1 Language of Page	Not Applicable	
3.2.1 On Focus	Supports	
3.2.2 On Input	Supports	
3.3.1 Error Identification	Supports	
3.3.2 Labels or Instructions	Supports	
4.1.1 Parsing	Supports	Contact MathWorks Customer Support if there are any issues after integrating with your learning environment.
4.1.2 Name, Role, Value	Supports	

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live)	Not Applicable	
1.2.5 Audio Description (Prerecorded)	Not Applicable	
1.3.4 Orientation	Supports	
1.3.5 Identify Input Purpose	Not Applicable	
1.4.3 Contrast (Minimum)	Supports	
1.4.4 Resize text	Supports	
1.4.5 Images of Text	Supports	
1.4.10 Reflow	Supports	

Criteria	Conformance Level	Remarks and Explanations
1.4.11 Non-text Contrast	Supports	
1.4.12 Text Spacing	Supports	
1.4.13 Content on Hover or Focus	Supports	
2.4.5 Multiple Ways	Supports	
2.4.6 Headings and Labels	Partially Supports	Label of code editor is not exposed to assistive technology.
2.4.7 Focus Visible	Supports	
3.1.2 Language of Parts	Does Not Support	Content added by the instructor or learner in a language other than English is not exposed to assistive technology.
3.2.3 Consistent Navigation	Supports	
3.2.4 Consistent Identification	Supports	
3.3.3 Error Suggestion	Supports	
3.3.4 Error Prevention (Legal, Financial, Data)	Not Applicable	
4.1.3 Status Messages	Not Applicable	

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