WIRIS Accessibility Conformance Report

International Edition

(Based on VPAT® Version 2.4)

Name of Product/Version: MathType for Office Tools - MathType for Microsoft 365 and MathType for Google Workspace

Report Date: 07/07/2023

Product Description: MathType for Office Tools is part of the MathType suite of products to edit math equations and chemistry formulas in different technological set-ups. MathType for Office Tools includes MathType 7 for Windows and Mac, MathType for Microsoft 365 and MathType for Google Workspace. It integrates MathType editor into Word and PowerPoint (Microsoft 365), Google Docs and Google Slides so you can easily write math and chem formulas in your documents and presentations.
This VPAT applies to MathType for Microsoft 365 and MathType for Google Workspace.

Contact information: support@wiris.com

Notes:

MathType for Office Tools integrations

MathType for Office tools is an integration of MathType web editor in a third-party environment:

- MathType for Microsoft 365 integrates MathType web editor into Word and PowerPoint desktop, Word and PowerPoint online and Word and PowerPoint for iPad
- MathType for Google Workspace integrates MathType web editor into Google Docs and Google Slides

This report covers both the MathType integration with its side panel view (task pane in MathType for Microsoft 365 and sidebar for Google Workspace) and the MathType web editor accessibility features integrated in these third-party apps.

The integrations in third-party applications include a button in a ribbon or in a command menu which launches a window (or similar) where the MathType web sidebar is embedded, which allows for the launch of the web editor among other tasks related to its usage and authentication, as well as display alerts and promotional messages.

Wiris provides accessibility support for both the sidebar view and the editor views.

The equation image created is also integrated in the third-party environment. WIRIS provides accessible text in all its equation images, but the third-party application is responsible for its accessibility.

MathType as a web-based application and as an authoring tool

MathType as a **web-based application** has these main features:

- Creating/Editing math equations.

  MathType lets you edit math equation using two **editing modes**:

  - *Classic input* mode uses symbols and templates from MathType's toolbar, combining them to build the equation.
  - *Handwritten input* mode lets you write the equation in your own handwriting. This input mode is an alternative input mode for the

classic input. It is not intended to be used by users without vision or limited manipulation.

MathType as an **authoring tool** generates these products:

- Equation images.

MathType for Office Tools VPAT

This report contains the tables for the web content (equation images), and authoring tool (the Mathtype editor and integration). For the third applicable scope, “Support Documentation”, you can find Wiris’ Electronic Support Documentation VPAT at https://docs.wiris.com/.

Requirements related to“Closed Functionality Software”, “non-web document” or “Product Docs” don’t apply because MathType is a web-based application, it is not a closed functionality software, and all its documentation is web.

VPAT report revisions

This revision

- updates to VPAT® Version 2.4 and includes WCAG 2.1 criteria
- builds a single document for MathType for Microsoft 365 and MathType for Google Workspace applications as part of MathType for Office Tools.

Evaluation Methods Used: Screen readers (Windows, macOS), Manual HTML inspection using assistive technologies by WIRIS accessibility specialist:

- Lighthouse
- Accessibility Insights

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 (No)
Web Content Accessibility Guidelines 2.1	(Yes)
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	(Yes)
EN 301 549 Accessibility requirements suitable for public procurement of ICT products and services in Europe, - V3.1.1 (2019-11)	(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

Tables 1 and 2 also document conformance with:

- EN 301 549: Chapter 9 - Web, Sections 10.1-10.4 of Chapter 10 - Non-Web documents, and Sections 11.1-11.4 and 11.8.2 of Chapter 11 - Non-Web Software (open and closed functionality), and Sections 12.1.2 and 12.2.4 of Chapter 12 – Documentation
- Revised Section 508: Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing, and Chapter 6 – 602.3 Electronic Support Documentation.

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 2.1 Conformance Requirements.

Compliance table for WCAG 2.1, Revised Section 508 Report and EN 301 549 Report

See complete compliance table and reports.

Table 1 and 2: Success Criteria, Level A and Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A) Also applies to: EN 301 549 Criteria • 9.2.1 (Web) • 10.2.1 (non-web document) • 11.2.1.1 (Software) • 11.2.2.1 (Closed Functionality Software) • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equation images produced by MathType provide accessible text, which is announced by screen readers when an equation is encountered.
	Authoring Tool: Supports	Our MathType integration provides text alternatives for all images and User Interface components.

1.2.1 Audio-only and Video-only (Prerecorded) (Level A) Also applies to: EN 301 549 Criteria • 9.2.2 (Web) • 10.2.2 (non-web document) • 11.2.1.2 (Software) • 11.2.2.2.1 and 11.2.2.2.2 (Closed Software) • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equation images do not contain any playable medium.
	Authoring Tool: Supports	MathType doesn't present information in any playable medium. Except for: Handwritten input mode uses a demo video to show how to delete parts of formula by scribbling them out. This input mode is an alternative mode to the classic one, and it is not intended to be used by users without vision or limited manipulation.
1.2.2 Captions (Prerecorded) (Level A) Also applies to: EN 301 549 Criteria • 9.2.3 (Web) • 10.2.3 (non-web document) • 11.2.1.3 (Software) • 11.2.2.3 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equation images don't contain audio content.
	Authoring Tool: Supports	MathType does not include audio.

1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A) Also applies to: EN 301 549 Criteria • 9.2.4 (Web) • 10.2.4 (non-web document) • 11.2.1.4 (Software) • 11.2.2.4 (Closed Software) • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equation images don't contain any playable media.
	Authoring Tool: Supports	MathType doesn't provide information in multimedia. Except for: Handwritten input mode uses a demo video to show how to delete parts of formula by scribbling them out. This input mode is an alternative mode to the classic one, and it is not intended to be used by users without vision or limited manipulation.
1.2.4 Captions (Live) (Level AA) Also applies to: EN 301 549 Criteria • 9.2.5 (Web) • 10.2.5 (non-web document) • 11.2.1.5 (Software) • 11.2.2.5 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	There's no live audio content in equation images.
	Authoring Tool: Supports	There is no live audio content in MathType.

1.2.5 Audio Description (Prerecorded) (Level AA) Also applies to: EN 301 549 Criteria • 9.2.6 (Web) • 10.2.6 (non-web document) • 11.2.1.6 (Software) • 11.2.2.6 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equations are presented as images, not video.
	Authoring Tool: Supports	There's no video content in MathType. Except for: Handwritten input mode uses a demo video to show how to delete parts of formula by scribbling them out. This input mode is an alternative mode to the classic one, and it is not intended to be used by users without vision or limited manipulation.
1.3.1 Info and Relationships (Level A) Also applies to: EN 301 549 Criteria • 9.2.7 (Web) • 10.2.7 (non-web document) • 11.2.1.7 (Software) • 11.2.2.7 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	The information presented in equation images is well structured, ordered, and shows related information.
	Authoring Tool: Partially supports	Grouping roles are used to identify related form controls, and steps are taken to ensure that information and structure is presented to users in accessible ways including the use of ARIA techniques. There are some minor issues with how the cursor position is reported to screen readers when deleting text and inside tables and arrays. However, the overall experience follows this criteria and these issues do not affect the operability of MathType.

1.3.2 Meaningful Sequence (Level A) Also applies to: EN 301 549 Criteria • 9.2.8 (Web) • 10.2.8 (non-web document) • 11.2.1.8 (Software) • 11.2.2.8 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equation images are presented to the user both as an image and as accessible text. The accessible text has the correct reading sequence so that a user can understand an equation's contents and symbols.
	Authoring Tool: Supports	MathType follows a correct reading sequence throughout the application, including the use of tables, tabs, and toolbars.
1.3.3 Sensory Characteristics (Level A) Also applies to: EN 301 549 Criteria • 9.2.9 (Web) • 10.2.9 (non-web document) • 11.2.1.9 (Software) • 11.2.2.9 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equation images don't rely on shape and/or location to convey information.
	Authoring Tool: Supports	MathType does not solely rely on sensory characteristics for its authoring tool and offers many alternatives such as spoken feedback, visual cues and alternative input modes such as handwriting.

1.3.4 Orientation (Level AA 2.1 only) Also applies to: EN 301 549 Criteria • 9.1.3.4 (Web) • 10.1.3.4 (Non-web document) • 11.1.3.4 (Open Functionality Software) • 11.1.3.4 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	**Web:** Supports	Equation image display depends on the third party integration, but there are not any known issues in this regard.
	Authoring Tool: Supports	MathType views and operates correctly in both landscape and portrait orientation. However, some integrations do force a landscape orientation and it is the responsibility of the third party host application.
1.3.5 Identify Input Purpose (Level AA 2.1 only) Also applies to: EN 301 549 Criteria • 9.1.3.5 (Web) • 10.1.3.5 (Non-web document) • 11.1.3.5.1 (Open Functionality Software) • 11.1.3.5.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	**Web:** Supports	Equation images do not have any inputs.
	Authoring Tool: Partially supports	All fields include labels and their purpose can be identified programmatically and by using Assistive technologies.

1.4.1 Use of Color (Level A) Also applies to: EN 301 549 Criteria • 9.2.10 (Web) • 10.2.10 (non-web document) • 11.2.1.10 (Software) • 11.2.2.10 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equation images don't use color on their own to convey information. If they do, it is the responsibility of the author to provide alternative text information.
	Authoring Tool: Supports	Color by itself is not used anywhere in MathType to convey information. When it is used, it is always complimented by other techniques which are accessible to all users.
1.4.2 Audio Control (Level A) Also applies to: EN 301 549 Criteria • 9.2.11 (Web) • 10.2.11 (non-web document) • 11.2.1.11 (Software) • 11.2.2.11 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equation images don't contain any audio.
	Authoring Tool: Supports	No audio is played in MathType.

1.4.3 Contrast (Minimum) (Level AA) Also applies to: EN 301 549 Criteria • 9.2.12 (Web) • 10.2.12 (non-web document) • 11.2.1.12 (Software) • 11.2.2.12 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equation images are compliant with minimum contrast requirements. By default, equation images use black on white background.
	Authoring Tool: Partially Supports	In most cases, MathType is compliant with UI contrast requirements, Except for: There's a minor issue with the tab focus indicator, in that the background color makes it not visible enough. Also, there are some links such as the documentation link or contact us, which have a contrast ratio of 3.67:1 instead of 4.5:1.
1.4.4 Resize text (Level AA) Also applies to: EN 301 549 Criteria • 9.2.13 (Web) • 10.2.13 (non-web document) • 11.2.1.13 (Software) • 11.2.2.13 (Closed Software) • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equation images can be magnified with the native tools provided by the browser.
	Authoring Tool: Supports	The User Interface and text can be magnified using the browser's zoom level.

1.4.5 Images of Text (Level AA) Also applies to: EN 301 549 Criteria • 9.2.14 (Web) • 10.2.14 (non-web document) • 11.2.1.14 (Software) • 11.2.2.14 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) 602.3 (Support Docs)	**Web:** Supports	Equations are displayed as images due to technical reasons. However, we ensure accessibility of these equations by providing a textual alternative which, in turn, ensures compatibility with screen readers which do not support reading math content natively.
	Authoring Tool: Supports	CSS is used to control visual presentation of text. Images don't contain text.
1.4.10 Reflow (Level AA 2.1 only) Also applies to: EN 301 549 Criteria • 9.1.4.10 (Web) • 10.1.4.10 (Non-web document) • 11.1.4.10 (Open Functionality Software) • 11.1.4.10 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	**Web:** Supports	Reflow restrictions don’t apply to equation images.
	Authoring Tool: Supports	Content can be presented without loss of information or functionality, and without requiring scrolling in two dimensions with the required restrictions.

1.4.11 Non-text Contrast (Level AA 2.1 only) Also applies to: EN 301 549 Criteria • 9.1.4.11 (Web) • 10.1.4.11 (Non-web document) • 11.1.4.11 (Open Functionality Software) • 11.1.4.11 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	**Web:** Supports	Equation images are compliant with minimum contrast requirements. By default, equation images use black on white background.
	Authoring Tool: Supports	All UI controls use CSS to ensure an adequate contrast ratio between the background and the text and icons.
1.4.12 Text Spacing (Level AA 2.1 only) Also applies to: EN 301 549 Criteria • 9.1.4.12 (Web) • 10.1.4.12 (Non-web document) • 11.1.4.12 (Open Functionality Software) • 11.1.4.12 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	**Web:** Supports	This criteria does not apply to equation images.
	Authoring Tool: Partially Supports	Partial support. Text can be spaced without wrapping and the text spacing can be changed by the user if necessary. However, some screens might be too small to display all the text appropriately if it is resized, especially those that display in combination with the third party applications like the sidebar or task pane.

1.4.13 Content on Hover or Focus (Level AA 2.1 only) Also applies to: EN 301 549 Criteria • 9.1.4.13 (Web) • 10.1.4.13 (Non-web document) • 11.1.4.13 (Open Functionality Software) • 11.1.4.13 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	**Web:** Supports	Only tooltips are triggered when hover or keyboard focus, and they disappear once focus or hover end.
	Authoring Tool: Supports	MathType provides tooltips when the mouse passes over certain parts of the application, and they all pass this criteria. In the case of the equation history, the trash icon that appears when hovering over an equation is also accessible via other means.
2.1.1 Keyboard (Level A) Also applies to: EN 301 549 Criteria • 9.2.1.1 (Web) • 10.2.1.1 (Non-web document) • 11.2.1.1.1 (Open Functionality Software) • 11.2.1.1.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	This does not apply to equation images. It is the responsibility of the third party application to make them selectable. So far, no issues were found.
	Authoring Tool: Supports	All content is navigable via the keyboard. Keyboard accessibility follows a good structure for grouped items, such as tabs, arrow keys for horizontal navigation in tabs and toolbars, etc.

2.1.2 No Keyboard Trap (Level A) Also applies to: EN 301 549 Criteria • 9.2.16 (Web) • 10.2.16 (non-web document) • 11.2.1.16 (Software) • 11.2.2.16 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equation images don't have any keyboard traps.
	Authoring Tool: Supports	All dialogs in MathType are navigable with the keyboard and they can be moved away from it, except in some instances in Microsoft Office where if the window loses focus, the dialog will need to be escaped using Alt F4. This is an issue with Microsoft Office specifically and MathType warns the user about this behavior when inserting an equation.
2.1.4 Character Key Shortcuts (Level A 2.1 only) Also applies to: EN 301 549 Criteria • 9.2.1.4 (Web) • 10.2.1.4 (Non-web document) • 11.2.1.4.1 (Open Functionality Software) • 11.2.1.4.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	**Web:** Supports	There are no shortcuts in equation images. While there exist shortcuts to select equations, those are not single letter (typically arrow keys), and they are responsibility of the host application.
	Authoring Tool: Supports	There are no shortcuts in MathType implemented as a single letter, punctuation, number or symbol.

2.2.1 Timing Adjustable (Level A) Also applies to: EN 301 549 Criteria • 9.2.17 (Web) • 10.2.17 (non-web document) • 11.2.1.17 (Software) • 11.2.2.17 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Not applicable	Time limitations do not apply to equation images.
	Authoring tool: Supports	There are no time limitations in MathType, the MathType editor, or any known timing related issues in the third party applications when inserting an equation.
2.2.2 Pause, Stop, Hide (Level A) Also applies to: EN 301 549 Criteria • 9.2.18 (Web) • 10.2.18 (non-web document) • 11.2.1.18 (Software) • 11.2.2.18 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Not applicable	Images do not have time limitations.
	Authoring tool: Not applicable	MathType has no time limitations.

2.3.1 Three Flashes or Below Threshold (Level A) Also applies to: EN 301 549 Criteria • 9.2.19 (Web) • 10.2.19 (non-web document) • 11.2.1.19 (Software) • 11.2.2.19 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	No seizures of physical reactions in equation images.
	Authoring Tool: Supports	MathType does not flash; the blinking edit cursor does not flash more than three times in one second.
2.4.1 Bypass Blocks (Level A) Also applies to: EN 301 549 Criteria • 9.2.20 (Web) • 10.2.20 (non-web document) – Does not apply • 11.2.1.20 (Software) – Does not apply • 11.2.2.20 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs	**Web:** Supports	Equation images do not contain repeated content. If they do, it is the responsibility of the author.
	Authoring Tool: Supports	The MathType editor and the MathType web pane are small single-page applications.

2.4.2 Page Titled (Level A) Also applies to: EN 301 549 Criteria • 9.2.21 (Web) • 10.2.21 (non-web document) • 11.2.1.21 (Software) - Does not apply • 11.2.2.21 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Not applicable	Equation images don't have a title.
	Authoring Tool: Supports	The page title is displayed whenever the MathType editor opens and displays the editor that was opened. In the case of the MathType web side panel, it is part of the third party application integrating it. In some situations the reader might announce the URL of the editor, but it is the responsibility of the third party application.
2.4.3 Focus Order (Level A) Also applies to: EN 301 549 Criteria • 9.2.22 (Web) • 10.2.22 (non-web document) • 11.2.1.22 (Software) • 11.2.2.22 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equation images are integrated in a third-party web page The focus order depends on the webpage they are integrated in.
	Authoring Tool: Partially Supports	All parts of the user interface follow the correct focus order, except for: There are some issues with the font family and font size combo boxes, and it can be slightly cumbersome to select the desired font because the focus order isn't always consistent.

2.4.4 Link Purpose (In Context) (Level A) Also applies to: EN 301 549 Criteria • 9.2.23 (Web) • 10.2.23 (non-web document) • 11.2.1.23 (Software) • 11.2.2.23 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Not applicable	Equation images do not contain any links
	Authoring Tool: Supports	For every link in MathType, a link text that describes its purpose is provided.
2.4.5 Multiple Ways (Level AA) Also applies to: EN 301 549 Criteria • 9.2.24 (Web) • 10.2.24 (non-web document) – Does not apply • 11.2.1.24 (Software) – Does not apply • 11.2.2.24 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs	**Web:** Not applicable	Equation images cannot be considered as a set of web pages or software. This requirement does not apply.
	Authoring Tool: Not applicable	MathType cannot be considered as a set of web pages or software. This requirement does not apply.

2.4.6 Headings and Labels (Level AA) Also applies to: EN 301 549 Criteria • 9.2.25 (Web) • 10.2.25 (non-web document) • 11.2.1.25 (Software) • 11.2.2.25 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equation images don't contain headings or labels.
	Authoring Tool: Supports	MathType contains descriptive labels and is organized in different sections so users can find the information they seek easily, and they can understand the relationships between different parts of the content.
2.4.7 Focus Visible (Level AA) Also applies to: EN 301 549 Criteria • 9.2.26 (Web) • 10.2.26 (non-web document) • 11.2.1.26 (Software) • 11.2.2.26 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) 602.3 (Support Docs)	**Web:** Supports	Equation images are highlighted when they receive focus. This is a responsibility of the host application.
	Authoring Tool: Partially Supports	The focus is visible, which highlights UI components. except for the editor tabs, whose color does not have sufficient contrast with its background color.

2.5.1 Pointer Gestures (Level A 2.1 only) Also applies to: EN 301 549 Criteria • 9.2.5.1 (Web) • 10.2.5.1 (Non-web document) • 11.2.5.1 (Open Functionality Software) • 11.2.5.1 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	**Web:** Not applicable	Images are handled by the host application.
	Authoring Tool: Supports	MathType doesn't use multipoint or path-based gestures for operation
2.5.2 Pointer Cancellation (Level A 2.1 only) Also applies to: EN 301 549 Criteria • 9.2.5.2 (Web) • 10.2.5.2 (Non-web document) • 11.2.5.2 (Open Functionality Software) • 11.2.5.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	**Web:** Supports	Images are handled by the host application.
	Authoring Tool: Supports	Gestures can be canceled because actions are triggered on the up event.

2.5.3 Label in Name (Level A 2.1 only) Also applies to: EN 301 549 Criteria • 9.2.5.3 (Web) • 10.2.5.3 (Non-web document) • 11.2.5.3.1 (Open Functionality Software) • 11.2.5.3.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	**Web:** Supports	Equation images do not have any controls.
	Authoring Tool: Supports	All UI controls have proper labels.
2.5.4 Motion Actuation (Level A 2.1 only) Also applies to: EN 301 549 Criteria • 9.2.5.4 (Web) • 10.2.5.4 (Non-web document) • 11.2.5.4 (Open Functionality Software) • 11.2.5.4 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	**Web:** Supports	Equation images are handled by the host application.
	Authoring Tool: Supports	MathType doesn't provide any functionality for particular motions such as tilting, shaking, or performing special swipes any device except for handwritten input, but in this case, there are alternative input methods..

3.1.1 Language of Page (Level A) Also applies to: EN 301 549 Criteria • 9.2.27 (Web) • 10.2.27 (non-web document) • 11.2.1.27 (Software) • 11.2.2.27 (Closed Software) • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Alternative text for equation images depends on the language of MathType, which is inherited by the environment where it is integrated. English language by default.
	Authoring Tool: Does not support	While MathType takes the language of the page where it is integrated, the HTML lang attribute is not set, which may cause issues with some screen readers. In the sidebar, the language is forced to English.
3.1.2 Language of Parts (Level AA) Also applies to: EN 301 549 Criteria • 9.2.28 (Web) • 10.2.28 (non-web document) • 11.2.1.28 (Software) – Does not apply • 11.2.2.28 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) 602.3 (Support Docs)	**Web:** Supports	Alternative text for equation images depends on the language of MathType, which is inherited by the environment where it is integrated. English language by default.
	Authoring Tool: Partially Supports	While MathType takes the language of the application where it is integrated, and equation images are produced accordingly, the HTML lang attribute is not set, which may cause issues with some screen readers. Also, some indication messages are spoken in English only.

3.2.1 On Focus (Level A) Also applies to: EN 301 549 Criteria • 9.2.29 (Web) • 10.2.29 (non-web document) • 11.2.1.29 (Software) • 11.2.2.29 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Not applicable	There is no such thing as context in equation images.
	Authoring Tool: Supports	Changes of context in MathType web are not on focus, they are all by clicking buttons or tabs.
3.2.2 On Input (Level A) Also applies to: EN 301 549 Criteria • 9.2.30 (Web) • 10.2.30 (non-web document) • 11.2.1.30 (Software) • 11.2.2.30 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equation images do not take input. Rather, they are edited by using the authoring tool, MathType.
	Authoring Tool: Supports	Changes of context in MathType are not on input, they are all by clicking buttons or tabs.

3.2.3 Consistent Navigation (Level AA) Also applies to: EN 301 549 Criteria • 9.2.31 (Web) • 10.2.31 (non-web document) – Does not apply • 11.2.1.31 (Software) – Does not apply • 11.2.2.31 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs	**Web:** Not applicable	Equation images are handled by the webpage or document they are integrated in and are single components.
	Authoring Tool: Not applicable	MathType is a single component and cannot be considered a set of web pages or software.
3.2.4 Consistent Identification (Level AA) Also applies to: EN 301 549 Criteria • 9.2.32 (Web) • 10.2.32 (non-web document) – Does not apply • 11.2.1.32 (Software) – Does not apply • 11.2.2.32 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool)	**Web:** Not applicable	Equation images are handled by the webpage or document they are integrated in and are single components.
	Authoring Tool: Not applicable	MathType is a single component and cannot be considered a set of web pages or software.

602.3 (Support Docs) – Does not apply to non-web docs		
3.3.1 Error Identification (Level A) Also applies to: EN 301 549 Criteria • 9.2.33 (Web) • 10.2.33 (non-web document) • 11.2.1.33 (Software) • 11.2.2.33 (Closed Software) • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Not applicable	Equation images do not take input and thus, cannot handle errors.
	Authoring Tool: Supports	The MathType editor does not detect input errors automatically. Regardless, it will produce conformant MathML even if a user's input is atypical.
3.3.2 Labels or Instructions (Level A) Also applies to: EN 301 549 Criteria • 9.2.34 (Web) • 10.2.34 (non-web document) • 11.2.1.34 (Software) • 11.2.2.34 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equation images do not contain labels or instructions.
	Authoring Tool: Supports	MathType has clear labels for its controls, but there could be more accessibility focused tutorials. However, the keyboard commands it uses are typical of cursor movement and editing.

3.3.3 Error Suggestion (Level AA) Also applies to: EN 301 549 Criteria • 9.2.35 (Web) • 10.2.35 (non-web document) • 11.2.1.35 (Software) • 11.2.2.35 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Not applicable	Equation images do not suggest errors because they do not take input.
	Authoring Tool: Supports	The MathType editor does not suggest input errors automatically because the errors it detects are related to licensing. In the case of equations, it will produce conformant MathML even if a user's input is atypical. Product key input does detect errors and they are reported as such.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA) Also applies to: EN 301 549 Criteria • 9.2.36 (Web) • 10.2.36 (non-web document) • 11.2.1.36 (Software) • 11.2.2.36 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Not applicable	No legal commitments or user-controllable data in data storage systems.
	Authoring Tool: Not applicable	No legal commitments or user-controllable data in data storage systems.

4.1.1 Parsing (Level A) Also applies to: EN 301 549 Criteria • 9.2.37 (Web) • 10.2.37 (non-web document) • 11.2.1.37 (Software) • 11.2.2.37 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equation images follow standard MathML.
	Authoring Tool: Supports	The implementation follows standard HTML.
4.1.2 Name, Role, Value (Level A) Also applies to: EN 301 549 Criteria • 9.2.38 (Web) • 10.2.38 (non-web document) • 11.2.1.38 (Software) • 11.2.2.38 (Closed Software) – Does not apply • 11.6.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	**Web:** Supports	Equation images correctly provide their values as alt texts in the image and themathML.
	Authoring Tool: Partially Supports	Most components are clearly labeled except for the font and size input boxes.

4.1.3 Status Messages (Level AA 2.1 only) Also applies to: EN 301 549 Criteria • 9.4.1.3 (Web) • 10.4.1.3 (Non-web document) • 11.4.1.3 (Open Functionality Software) • 11.4.1.3 (Closed Software) – Does not apply • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	**Web:** Supports	Equation images don't use status messages
	Authoring Tool: Partially Supports	MathType uses proper status messages throughout the application to indicate status, cursor movement, user input results, and notifications to provide a good experience to screen reader users. In the editor, there are small issues when creating tables and arrays. In tables and arrays, the position is not announced. Currently, when deleting characters, they are not announced.

Table 3: Success Criteria, Level AAA

Notes: Not evaluated

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Notes:

Chapter 3: Functional Performance Criteria (FPC)

Notes:

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Partially supports	MathType is usable by people using assistive technologies, such as screen readers. MathType features are fully operable by keyboard with very few exceptions reported in the WCAG table.
302.2 With Limited Vision	Supports	MathType supports limited vision accessibility features: magnifier, color contrast filters, high contrast mode...
302.3 Without Perception of Color	Supports	MathType supports accessibility features suitable to users without perception of color like color filters or others.
302.4 Without Hearing	Supports	MathType does not require hearing.
302.5 With Limited Hearing	Supports	MathType does not require hearing.
302.6 Without Speech	Supports	MathType does not require vocal capability.
302.7 With Limited Manipulation	Partially supports	MathType features are fully operable by keyboard with some exceptions reported in the WCAG table.
302.8 With Limited Reach and Strength	Supports	MathType is fully operable by people with limited reach and limited strength.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	MathType is fully operable by people with limited cognition.

Chapter 4: Hardware

Notes: MathType is a web application. This chapter does not apply.

Chapter 5: Software

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 information in WCAG section	See information in WCAG section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not applicable	Equation images are integrated in a third-party environment. There’s no conversion to other formats.
504.2.2 PDF Export	Not applicable	MathType does not provide the ability to create accessible PDF 1.7 output. However, the host applications which support MathType might provide this feature.
504.3 Prompts	Not applicable	Equation images are integrated in a third-party system.
504.4 Templates	Not applicable	Equation images are integrated in a third-party system.

Chapter 6: Support Documentation and Services

Notes: You can find MathType Support Documentation VPAT at our Documentation.

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Notes:

Chapter 4: 4.2 Functional Performance Statements (FPS)

Notes:

Criteria	Conformance Level	Remarks and Explanations
4.2.1 Usage without vision	Partially supports	MathType menus and dialogs are available to assistive technologies suitable for users without vision. MathType features are fully operable by keyboard with some exceptions reported in the WCAG table.
4.2.2 Usage with limited vision	Supports	MathType supports limited vision accessibility features: magnifier, color contrast filters, high contrast mode...
4.2.3 Usage without perception of color	Supports	MathType supports accessibility features suitable to users without perception of color like color filters or others.
4.2.4 Usage without hearing	Supports	MathType does not require hearing.
4.2.5 Usage with limited hearing	Supports	MathType does not require hearing.
4.2.6 Usage without vocal capability	Supports	MathType does not require vocal capability.
4.2.7 Usage with limited manipulation or strength	Partially supports	MathType features are fully operable by keyboard with some exceptions reported in the (KEYBOARD TRAP) BUT IT IS PERFECTLY OPERABLE. WCAG table.
4.2.8 Usage with limited reach	Supports	MathType is fully operable by people with limited reach and limited strength.
4.2.9 Minimize photosensitive seizure triggers	Supports	MathType does not trigger photosensitive seizures.
4.2.10 Usage with limited cognition	Supports	MathType is fully operable by people with limited cognition.
4.2.11 Privacy	Supports	Privacy is guaranteed when using MathType for OfficeTools products, also when using assistive technologies or accessibility features.

Chapter 5: Generic Requirements

Notes: Please see the WCAG section. The applicable requirements are covered there.

Chapter 6: ICT with Two-Way Voice Communication

Notes: MathType is a web application and does not support voice communication. This chapter does not apply.

Chapter 7: ICT with Video Capabilities

Notes: MathType is a web application without ICT video capabilities. This chapter does not apply.

Chapter 8: Hardware

Notes: MathType is a web application. This chapter does not apply.

Chapter 9: Web *(see WCAG 2.0 section)*

Notes: See WCAG 2.0 section in this document.

Chapter 10: Non-web Documents

Notes: MathType Support documentation is web. You can find it at docs.wiris.com. This chapter does not apply.

Chapter 11: Software

Notes: MathType is an authoring tool. Chapters 11.7 and 11.8 apply.

Criteria	Conformance Level	Remarks and Explanations
11.0 General (informative)	Heading cell – no response required	Heading cell – no response required
11.1.1.1 through 11.4.1.3	See WCAG 2.x section	See information in WCAG 2.x section
11.7 User preferences	Does not support	MathType does not change its User Interface regarding the user's system settings.
11.8 Authoring tools	Heading cell – no response required	Heading cell – no response required

11.8.1 Content technology	Heading cell – no response required	Heading cell – no response required
11.8.2 Accessible content creation	See WCAG 2.x section (If not authoring tool, enter “Not Applicable”)	See information in WCAG 2.x section
11.8.3 Preservation of accessibility information in transformations	Supports	MathType by itself does not transform. In third party environments that transform, accessibility information is preserved but it is the responsibility of the third party environment
11.8.4 Repair assistance	Supports	If accessible text of an equation is present in an older format, such as that compatible with older screen reader, a notification is presented so that the user can use the new format.
11.8.5 Templates	Supports	MathType does not provide templates.

Chapter 12: Documentation and Support Services

Notes: You can find MathType Support Documentation VPAT at our Documentation.

Chapter 13: ICT Providing Relay or Emergency Service Access

Notes: MathType is a web application which does not provide relay or emergency service access. This chapter does not apply.
hType Web is a web application. This chapter does not apply.

Chapter 12: Documentation and Support Services

Notes: You can find MathType Support Documentation VPAT at our Documentation.

Chapter 13: ICT Providing Relay or Emergency Service Access

Notes: MathType is a web application which does not provide relay or emergency service access. This chapter does not apply.