**Group x – Program Name**

**(Team Members)**

**Bugs & Enhancements**

**Date Submitted:**

**Bugs Detected**

|  |  |  |  |  |
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| **ID** | **Bug Short Title** | **Priority (1-3)** | **Date Found** | **Reported By** |
| **B01** | Displayed function label is cut off | **3 (low)** | **04/28/2017** | **Connor** |
| Description | On all three visualization types, the label to the left of the function input is cut off | | | |
| Desired Operation | The label should be long enough to show the entire text content | | | |
| Cause | Display label was too narrow to show full text, input field was too far to the left | | | |
| Proposed Fix | Increase the width of the text label, and move the input field to the right | | | |
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| **B02** | Display range label is cut off | **3 (low)** | **04/28/2017** | **Connor** |
| Description | Display range label is cut off on the side of the of the visualizer panel | | | |
| Desired Operation | The text shows it’s full content | | | |
| Cause | The main panel is too small and does not give enough room for the full text | | | |
| Proposed Fix | Make the panel bigger to accommodate for the text’s size, make text label wider | | | |
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| **B03** | Integral panel label is cut off | **3 (low)** | **04/28/2017** | **Connor** |
| Description | On the Integral Panel, the display range label is cut off | | | |
| Desired Operation | The full content of the text label is shown | | | |
| Cause | The test label width is too narrow | | | |
| Proposed Fix | Widen the text label’s boundary to show the full text | | | |
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| **ID** | **Bug Short Title** | **Priority (1-3)** | **Date Found** | **Reported By** |
| **B04** | Displaying functions on X, Y axis | **2(medium)** | **04/28/2017** | **Nergal** |
| Description | Functions are not displayed completely | | | |
| Desired Operation | Functions to be drown in the appropriate quadrants | | | |
| Cause | Functions were initialized to be drown from y axis and be displayed in the first and fourth quadrants | | | |
| Proposed Fix | Update the length of the function based on the zoom in zoom out buttons | | | |
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| **B05** | Opening saved files | **3 (low)** | **04/28/2017** | **Nergal** |
| Description | Files are being saved without extension. Difficult to open | | | |
| Desired Operation | Files to be saved with file extension. | | | |
| Cause | Application did not have the feature to add extension to saved files | | | |
| Proposed Fix | Adding the feature to add extension to exported files | | | |
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| **B06** | Limited length of lines | **2 (medium)** | **04/28/2017** | **Nergal** |
| Description | Length of lines are limited to 6.29(2 pi) | | | |
| Desired Operation | Length of lines to be displayed based on the length and width on the window | | | |
| Cause | Initiation the attribute (b) to 6.29 | | | |
| Proposed Fix | Length of the lines to get updated by zooming in and out | | | |
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| **ID** | **Bug Short Title** | **Priority (1-3)** | **Date Found** | **Reported By** |
| **B07** | **Incorrect Trapezium Integration** | **3 (low)** | **04/28/2017** | **Enya** |
| Description | Trapezium Integration returning false answers | | | |
| Desired Operation | Return of correct number | | | |
| Cause | Algorithm used for calculating the integral is incorrect | | | |
| Proposed Fix | Change algorithm so that correct values are returned | | | |
|  |  | | | |
| **B08** | **Incorrect Simpson Integration** | **3 (low)** | **04/28/2017** | **Enya** |
| Description | Simpson Integration returning false answers | | | |
| Desired Operation | Return of correct number | | | |
| Cause | Algorithm used for calculating the integral is incorrect | | | |
| Proposed Fix |  | | | |
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| **B09** | **Incorrect Gauss Integration** | **3 (low)** | **04/28/2017** | **Enya** |
| Description | Gauss Integration returning false answers | | | |
| Desired Operation | Return of correct number | | | |
| Cause | Algorithm used for calculating the integral is incorrect | | | |
| Proposed Fix | Change algorithm so that correct values are returned | | | |
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**Enhancements Proposed**

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| **ID** | **Enhancement Short Title** | **Priority (1-3)** | **Date Reported** | **Reported By** |
| **E01** | **Position indicator not needed for Cartesian 3D** | **2 (medium)** | **04/28/2017** | **Connor** |
| Description | The position indicator is not needed for the Cartesian 3D view (it is blank at the moment in this view) | | | |
| Desired Operation | Position indicator is hidden in this view to not confuse the user | | | |
| Cause | Position indicator was left in place for this view even though it does nothing | | | |
| Proposed Fix | Hide the position indicator in Cartesian 3D view | | | |
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| **E02** | **Enable scrolling to left/right** | **3 (low)** | **04/28/2017** | **Connor** |
| Description | Currently, so can scroll in all 4 directions with the arrow keys, but only up and down with a track pad. Since many of our users prefer to use the tack pad to scroll, we would like to enable this functionality | | | |
| Desired Operation | Be able to scroll in the graph (left/right) using track pad | | | |
| Cause | Track pad is only enabled for up and down scrolling | | | |
| Proposed Fix | Create a listener for track pad scrolling for left and right directions | | | |
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| **E04** | **Making more viable the X, Y axis** | **3(low)** | **04/28/2017** | **Nergal** |
| Description | X, Y axis need to be more viable than other horizontal and vertical lines | | | |
| Desired Operation | It would be easier for user to distinguish the X, Y axis from other lines | | | |
| Cause | Using same color and thickness as other lines | | | |
| Proposed Fix | Changing the color and the thickness of the X, Y axis | | | |
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| **E05** | **Save image menu** | **2(medium)** | **04/28/2017** | **Nergal** |
| Description | Save image menu confuse the user with “open” window | | | |
| Desired Operation | To display “save” window and “save” button when is clicked on the save image menu | | | |
| Cause | It could be a mistake by the application developers | | | |
| Proposed Fix | Replace the “open” window and the “open” button to “save” window and button | | | |
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| **E06** |  |  |  |  |
| Description |  | | | |
| Desired Operation |  | | | |
| Cause |  | | | |
| Proposed Fix |  | | | |
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**Fixes (Bugs and Enhancements) Targeted For Implementation**

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| **ID** | **Short Title** | **Priority (1-3)** | **Implementation Complete Date** | **Assigned To** | **System Test Date** |
| **B07 and B08** | **Change Integration Algos** | **2** | **April 29, 2017** | **Enya** |  |
| **E02** |  |  |  |  |  |
| **B03** |  |  |  |  |  |
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