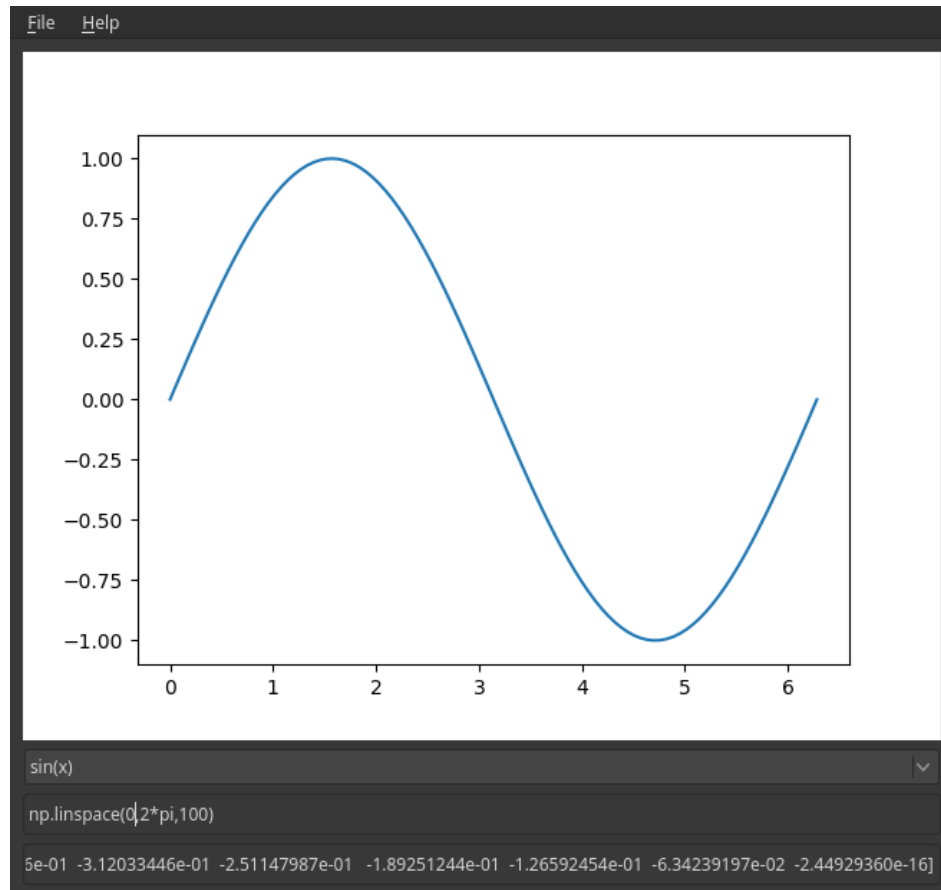


## ME701 HW7

### A PyQT5 Graphing Calculator Widget

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Above is an image of a graphing calculator produced by PyQT5. It is depicting a plot of the  $\sin$  curve from 0 to  $2\pi$ . A drop down option box allows a user to select between three predefined functions, or a fourth option where they customize their own. The next box down is where the user inputs the  $x$  points they wish to have their function evaluated at. The final box shows the corresponding  $f(x)$  values for their given  $x$  values and function. Pressing return while either of these bottom two boxes are pressed will evaluate the function and update the plot. Under the file menu, there is a Save As option that will save the current  $x$  and  $f(x)$  values in a text document called 'data.txt'.