

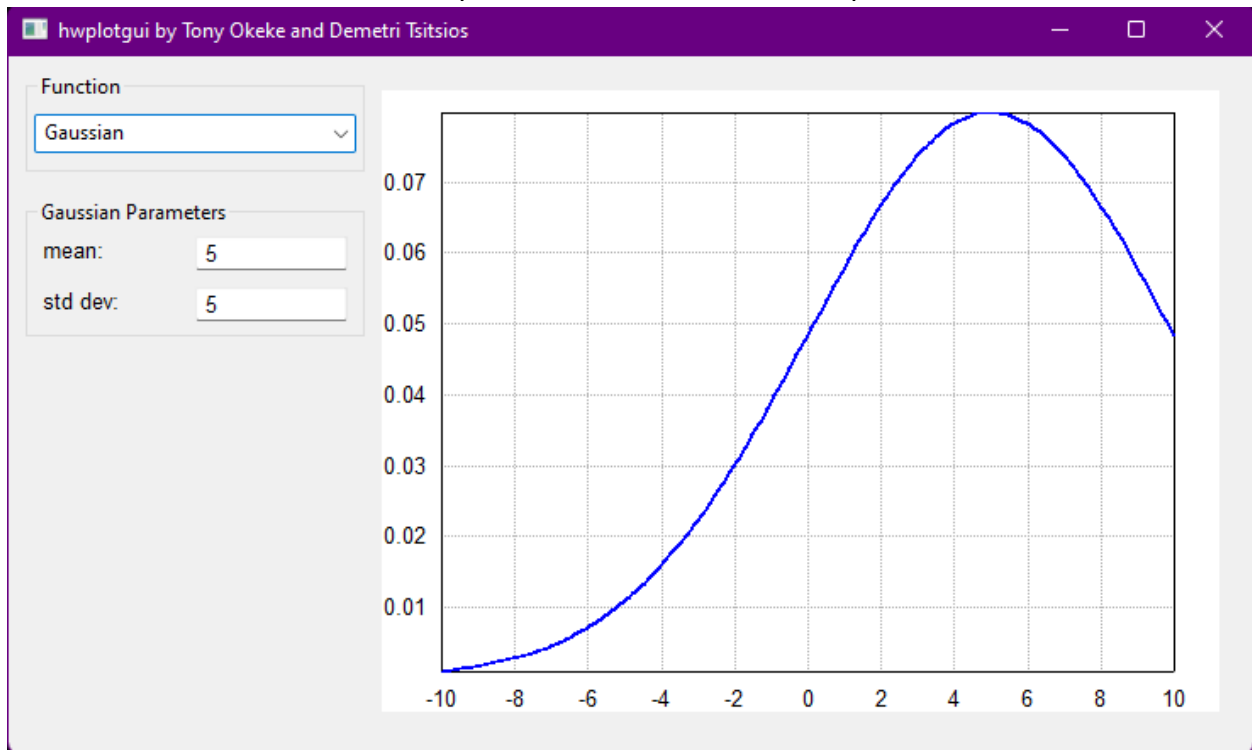
# 1 FUNCTION PLOT GUI BY TONY OKEKE AND DEMETRI TSITSIOS

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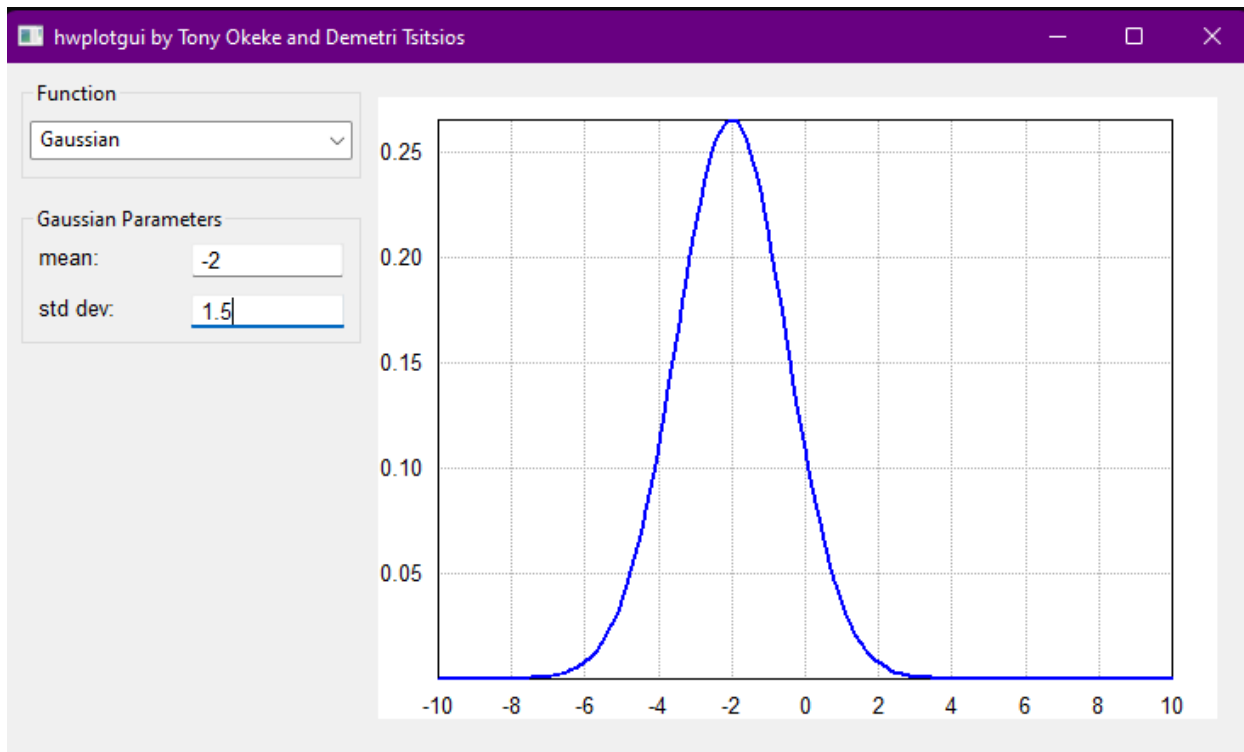
The GUI elements I referred to in my code were named as:

- PlotGUI – Subclass of wx.Frame to create the GUI window
- GUIPanel – Subclass of wx.Panel to create GUI content
- TextInput – Subclass of x.BoxSizer for labelled text input fields
- ControlBox – Subclass of wx.StaticBox to hold groups of GUI controls
  - GUIPanel.gauss\_box – Controls for the Gaussian Function
  - GUIPanel.osc\_box – Controls for the Decaying Oscillation Function
  - GUIPanel.func\_box – Contains the function dropdown menu
- GUIPanel.canvas – A plot canvas for the function graphs
- GUIPanel.error – A wx.StaticText element for displaying error messages

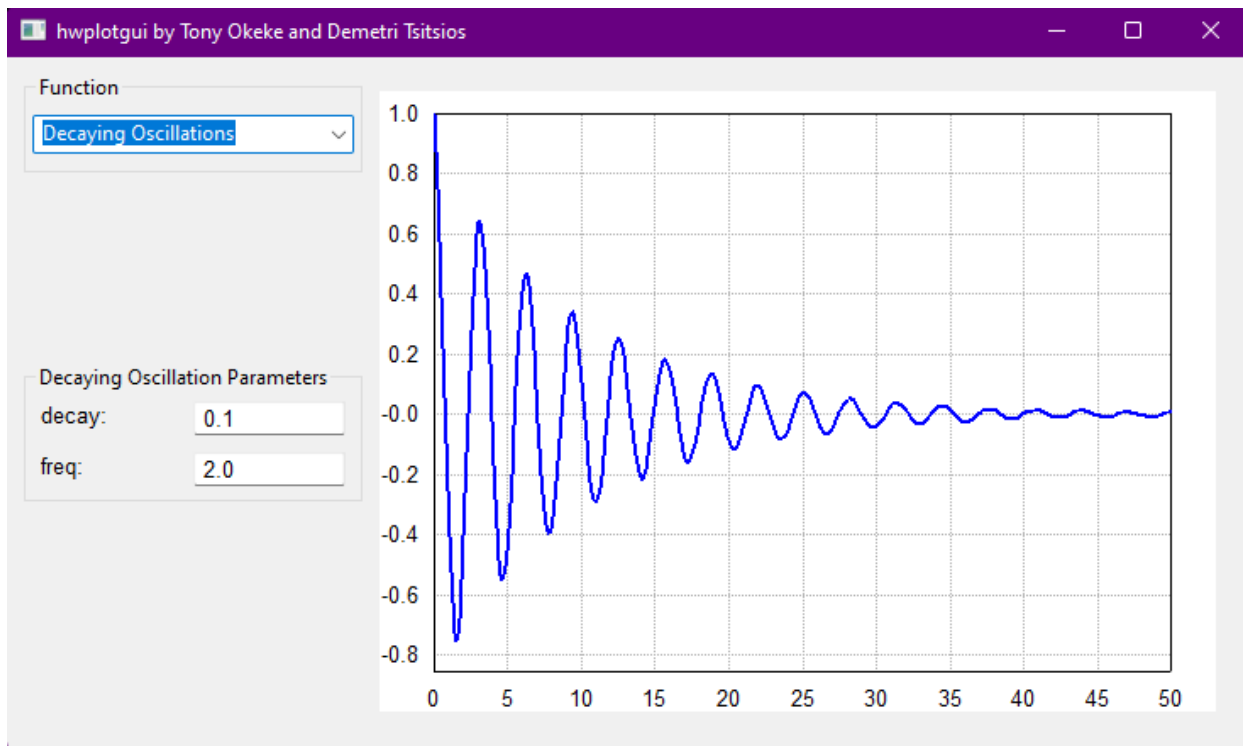
## 1.1 WHEN GUI IS FIRST EXECUTED (WITHOUT ANY GUI USER INPUT)



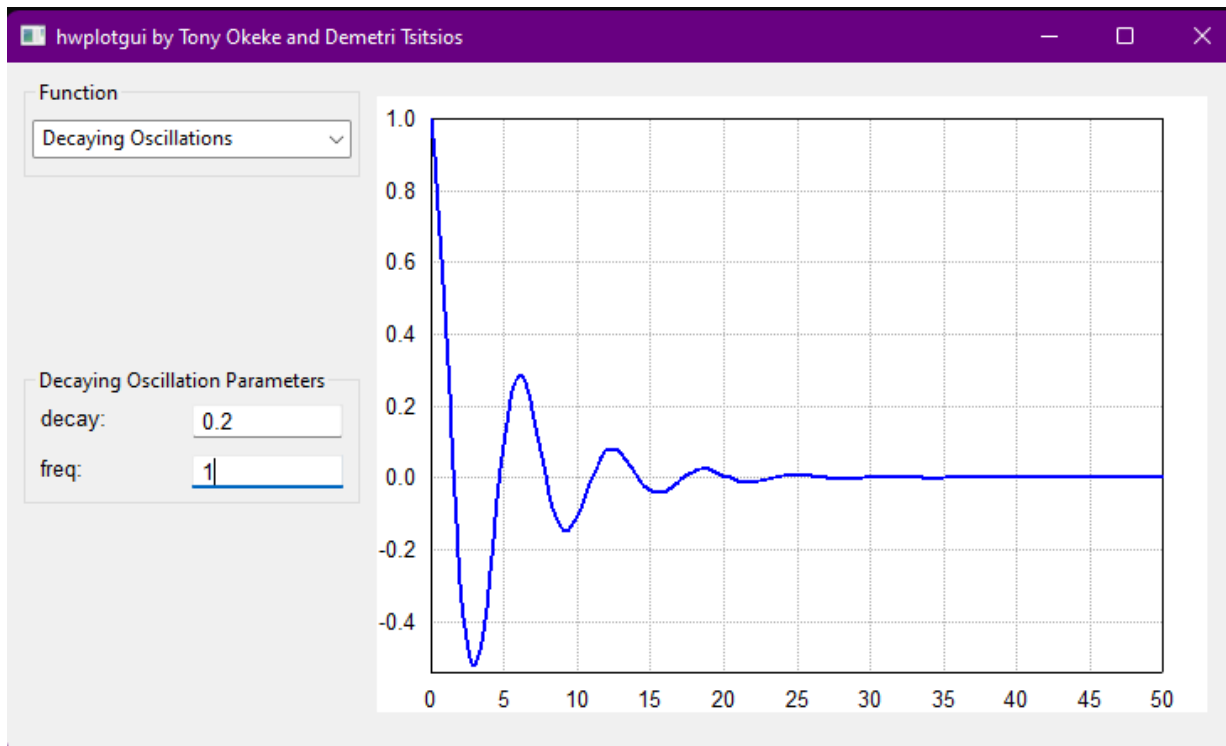
## 1.2 AFTER CHANGING GAUSSIAN MEAN TO -2 AND STDEV TO 1.5



## 1.3 AFTER CHANGING FUNCTION TO DECAYING OSCILLATIONS



## 1.4 AFTER CHANGING DECAY TO 0.2 AND FREQUENCY TO 1



## 1.5 AFTER CHANGING DECAY TO 'APPLE'

