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| Name: Hiteshi Shah (hss7374) | Foundations of Computer Vision  Due: 02/10/2018 |

**HW02**

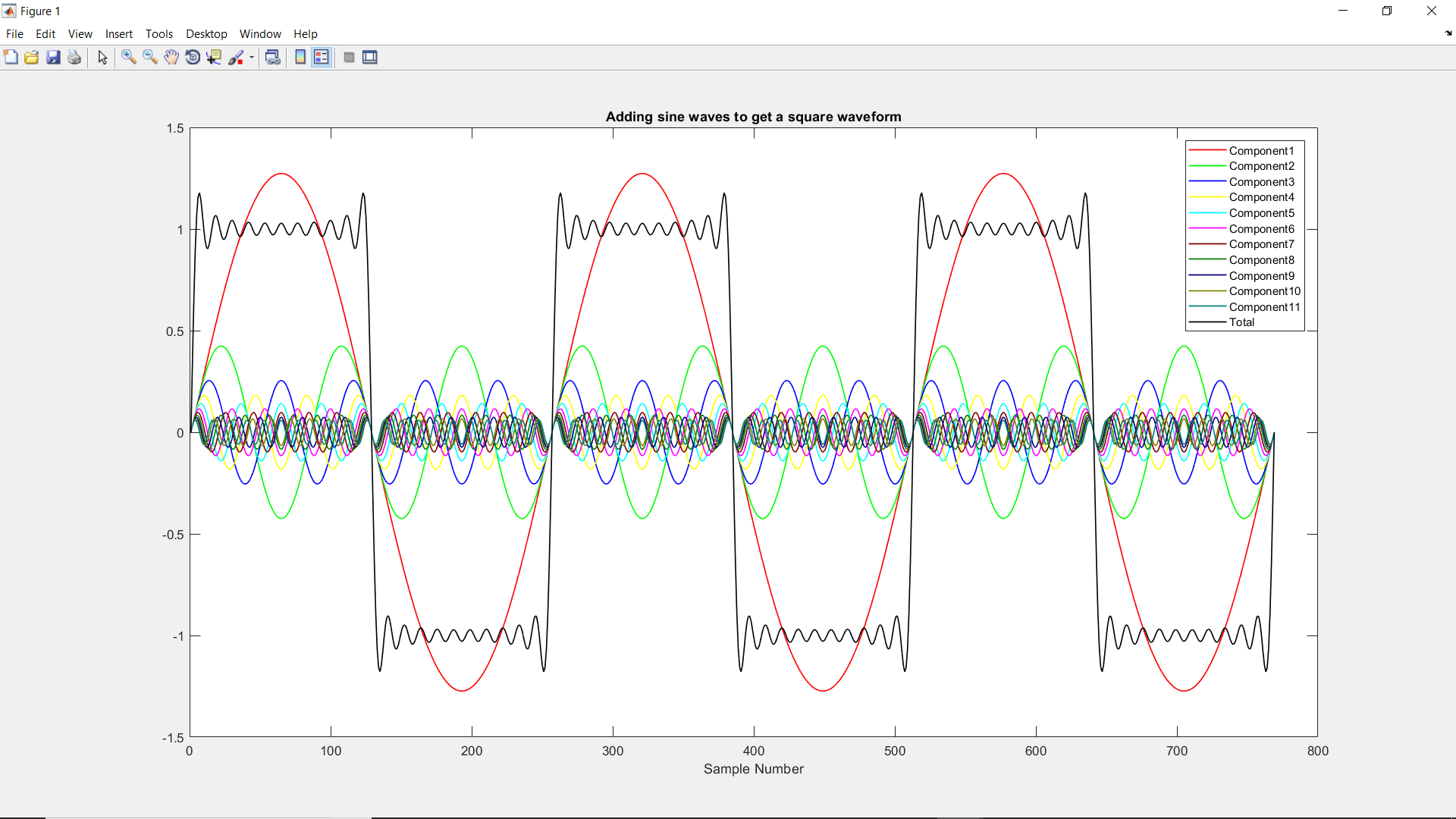
a. **Overview**

For this assignment, our task was to plot a square wave by adding up sine waves that get smaller and smaller using the following equation:

where is the wavelength

b. **Conclusions**

The graph that my program gave out:



Through this assignment I’ve learned what a square wave is and how it can be achieved by adding sine waves. I had difficulty figuring out how to plot several sine waves in one graph at first but I quickly learned that it can be done using **hold on** in Matlab. I’ve also learned how to display a legend, add a title, and label the axes to a plot in Matlab.