ASTR 575 Midterm

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1 Summary

For the previous question, I calculated the integral of a function both analytically and numerically using Simpson's Algorithm. I also attempted to improve the accuracy by dividing the integral into smaller and smaller pieces and summing them up. The standard deviation between the results from this method and the analytical result are plotted in figure 1, but clearly, something went wrong.
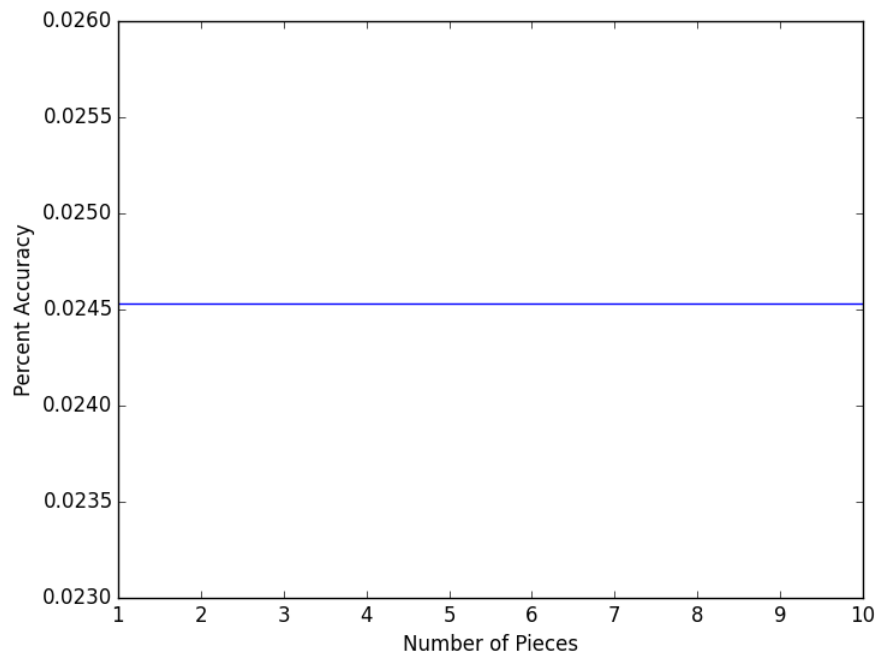

Figure 1: This is the plot from q3, part f.