

CS 131 Finals

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1. **Does your graph resemble figure 3? (not pictured)**

Yes, the output data can be graphed similarly to figure 3.

2. **What is the difference, if any?**

The step size h will produce discrepancies in the values of theta. But with h small enough, the discrepancies can be insignificant.

3. **Can you explain what's happening to the pendulum in relation to what your plot is showing?**

As the pendulum swings, it will slow down and have a lower swing due to the effects of gravity countering its upward force. This results in having a smaller angle of swing, which the plot shows.