# MAE263F HW2

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## I.   ASSIGNMENT 1 CHAPTER 7

**Q2.2**

The generated result of z-coordinate of the last node (xN ) with time:
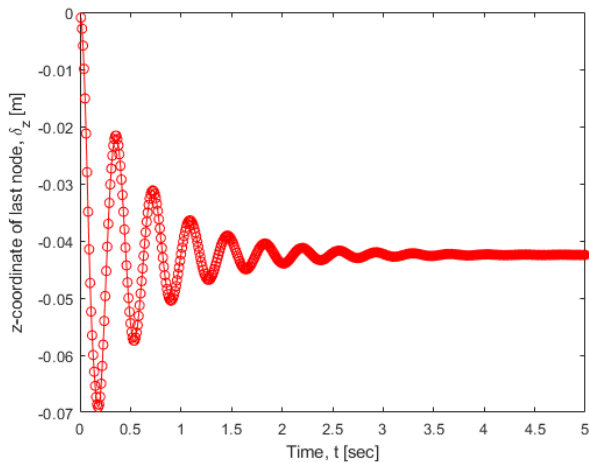


Fig.1 z-coordinate of the last node (xN ) of the elastic rod
with time

According to the fig.1, the last node of the elastic rod oscillates around the 0.04m. The system is umderdamped and stable. Comparing with the given result, the two result matches which insicates all the parameters are properly set.

### REFERENCES

[1]   M. Khalid. Jawed and S. Lim, *Discrete simulation of slender structures,* ch 4