

HW 2 (revised, yet again): Due Wednesday Feb. 5

Problems 1-4 must be solved using an ODE method; i.e. first write down the governing ODE and its boundary conditions, second solve.

1. Book Problem 1.6
2. Book Problem 1.9
3. Book Problem 1.10
4. Book Problem 1.11
5. Book Problem 1.15. Use a value of $k = 50 \text{ N m/rad}$ instead of the value given in the problem statement. Use a value of $T_a = 0.5 \text{ N m}$ instead of the value given in the problem. Make sure to use consistent units in your program. Make sure to properly label you graphs.