

Lab 4 - Prelab Answer Key

1. Poles depend on groups' estimates for natural frequency, but are all negative except one zero pole, yielding marginal stability.
→ assuming no friction (not included in model) sufficiently small perturbations may continue indefinitely.
2. $\text{Rank}(C_{(A,B)}) = \text{Rank}(O_{(C,A)}) = 4$, so yes.
3. No specific answer. Research, thoughts, etc.