

G22 (Team)
Time to Study Torques I
March 23, 2010

We need to know as soon as possible whether your solutions to your theoretical model are accurate. We also need to become extremely comfortable with the various torques.

Re-read the technical appendices Sections 4 and 5. To gain better understanding of the torques involved, this assignment entails producing a study following the work of Section 5.

- Reproduce Figures A5.1 and A5.2 using your solutions (your initial conditions). Use a MatLab routine that takes the output from your solutions and produces the plots automatically.
- Experiment with your plots.
- From your experiments, describe appropriate choices for Q_α , Q_β , a , α , β , $\dot{\alpha}$, and $\dot{\beta}$.

Hand in a LaTeX produced .pdf file detailing this assignment. Demonstrate and educate using MatLab during class.