

- When turn in your homework, please write down: 作業次別, 姓名, 學號, 系級, 日期
 - Assigned: 11/6/07, Due on 11/20/06
-

- (Stability Analysis)

10 points/each

Consider the systems studied in [Problems 1, 2, 4, 6 of HW1](#) and use the solution provided for their respective A, B, C, D .

Discuss the stability of these systems in terms of values of these parameters used to model the systems.

That is, describe whether the system is **marginally stable or asymptotically stable or unstable** with respect to different values of the related parameters.

For example, in [Problem 1](#), you might need to find the range of R_1 or L , such that the system is **(m./a.) stable or unstable**.