

Homework # 8

Due: 12/4/2006

1. (30%) 14.1
2. (70%) Project related:
 - (a) Design a stabilizing controller by solving an H_∞ weighted mixed sensitivity minimization problem as in Homework #7.
 - (b) Evaluate the nominal tracking performance of the controller.
 - (c) Evaluate the robustness with respect to the plant uncertainty.