Pset1

1.1)

a. 0.9

b. alpha

c. 1.0

2.2)

a. Done

b. Torque_commanded is the sum of tau_no_ff and tau_ff. We use tau_ff to counteract the forces that we know will be present for a given context, such as gravity, in order to effectively remove external influence on the plant. Tau_no_ff is usually given by a controller which is correcting small errors from the measured position due to imperfections in our system model. The controller will usually perform better without the presence of a constant force, such as in the case of a P controller.

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