## Last Fioportional Control

Yes. I would expect the motor to follow the specified reflecte position with an open-loop controller. Since the controller is open loop, it has no feedback therefore. The input into the controller gain is always the same. Since the motor is determed to be cheroing, it surps from the lightst point back to the lowest and increase until it repeate again. This constant motion of the postor represents a sautooth like pattern which can be seen in the open loop transfer function output.

## 2. Task 1.2

- a) The input response into the system follows that of a step response. Therefore, in order to have an ess = 0, lim G(s) = 00. The DC gain of the system must be infinite.
- b) The value of Ku = 7.15 The value of Pu = 0.2