Ra=1; % armaature resistance [Ohms]  
Kt=.5; % motor torque constant [Nm/A]  
Ke=.5; % back emf constant [Vs/rad]  
J=.05; % Load inertia [Nm^2]  
b=.5; % damping [Nm/s]  
K = (6.1);  
sig = 6.667;  
open\_system('motorsim4')  
out=sim('motorsim4');

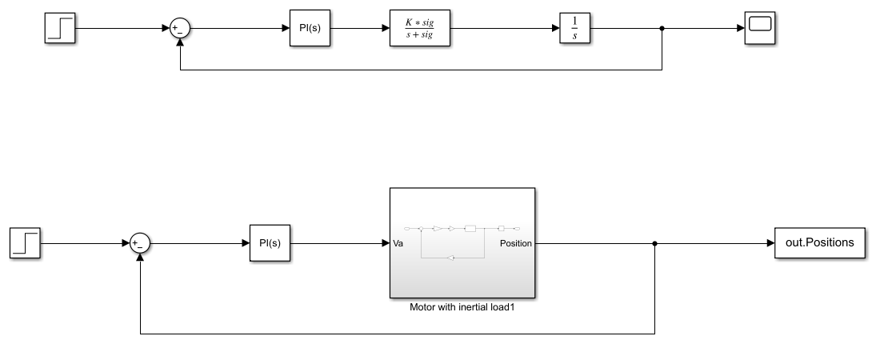
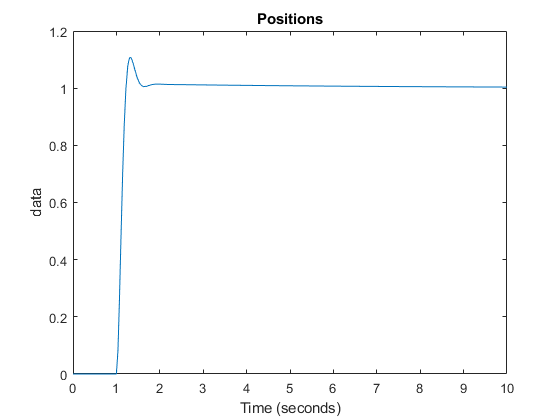


figure  
plot(out.Positions)  
title('Positions');



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