**Contents**

function [H] = compile\_all(DOF, A)

Degrees\_Of\_Freedom = DOF

Degree\_To\_Analyse = A

**Remember Everything Is In Radians**

syms s

Transfer\_Functions = collect(get\_EOM(DOF),s)

H = get\_TF(Transfer\_Functions)

sys = H(A)

type = 'PID'

pidTuner(sys,type)

end

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