AA ECE ME 548: Lineas Multivariable Control Prof Burden TA Tinu Spring 2026

exams: grading in progress; results ~ Man May 11

today: 1 ~ 10 min breakant discussion & follow-up

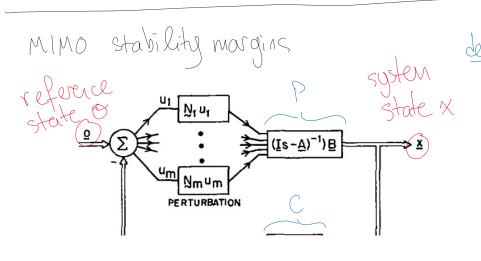
I HW 3 solution Q's (self-assessment due Sun May 10)

& MIMO stabilaty margins

D'exercise: combine observer w/ (LQ) full-state feedback

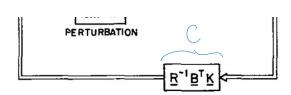
I dis about lectures on "randonness", least squares

k update project page



def: gain and phose margin
for input RE { 1, ..., m}

are largest pure gain or
phose shift in N<sub>K</sub> that
keeps closed-loop system



keeps closed-loop system
Txo stable

Fig. 3. LQSF regulator with noninteracting perturbations in each control loop.