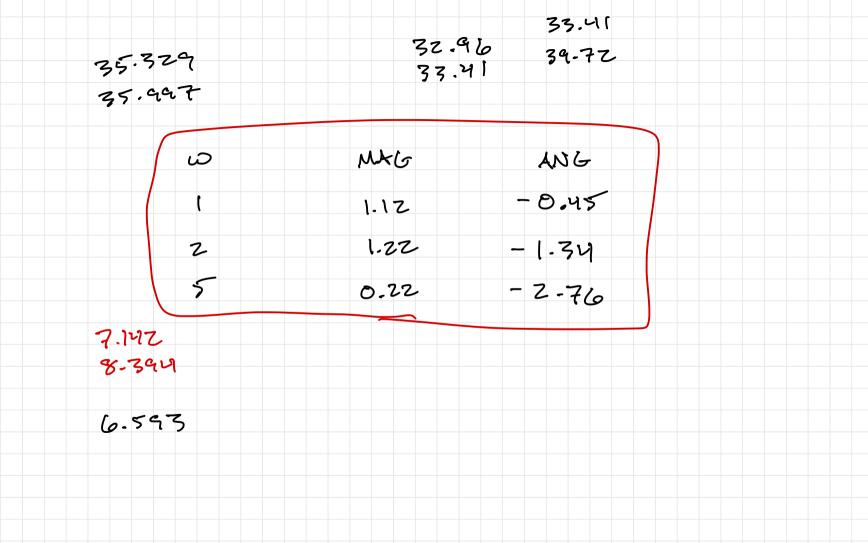
Day 33 Transfer function

AE353 Spring 2022 Bret1



xm = Amxm + Bmum GENERAL RESULT ym = Cm xm transient to to Sum(+) = sin(ω+) => ym(+) = (...) + | H(jω) | sin(ω+ ∠ H(jω)) um(t) = cos(wt) => ym(t) = (...) + |H(jw)/cos(wt + ∠H(jw)) magnitude angle a complex number H(s) = (C(SI-Am) Bm - TRANSFER FUNCTION) I another complex number

