ME(H 6313-Quiz5 Jonas Wagner 2021-04-07 a) $X = -g(t) X^5$, $g(t) \ge 1 + t \ge t_0$ is 60^{-5} Let $V(x) = X^3$ $= X(-g(x) X^5) \angle -O \angle G - UES$ $V(x) = X(-g(x) X^5) \angle -O \angle G - UES$ (Med to do complaint) b) x=-g(t)x, g(t) =1. ++ ≥+.

Let V(x)= {x²} / (GX) V(X) = X (-g(+) X) (O ((Need to do comp fame) G) LIT W/ A naving 1R\$1:(A)3,40 V;
is Expondentially stable True

A15 Harwitz 2) G(+) = P(+) P(+) Q(+) - P(+) Y(+) YOF 0, +2 02 A = YPT > D = EAR E=[1 2] is persistantly exciting Assumming 4(+) or cand be found The Parameters