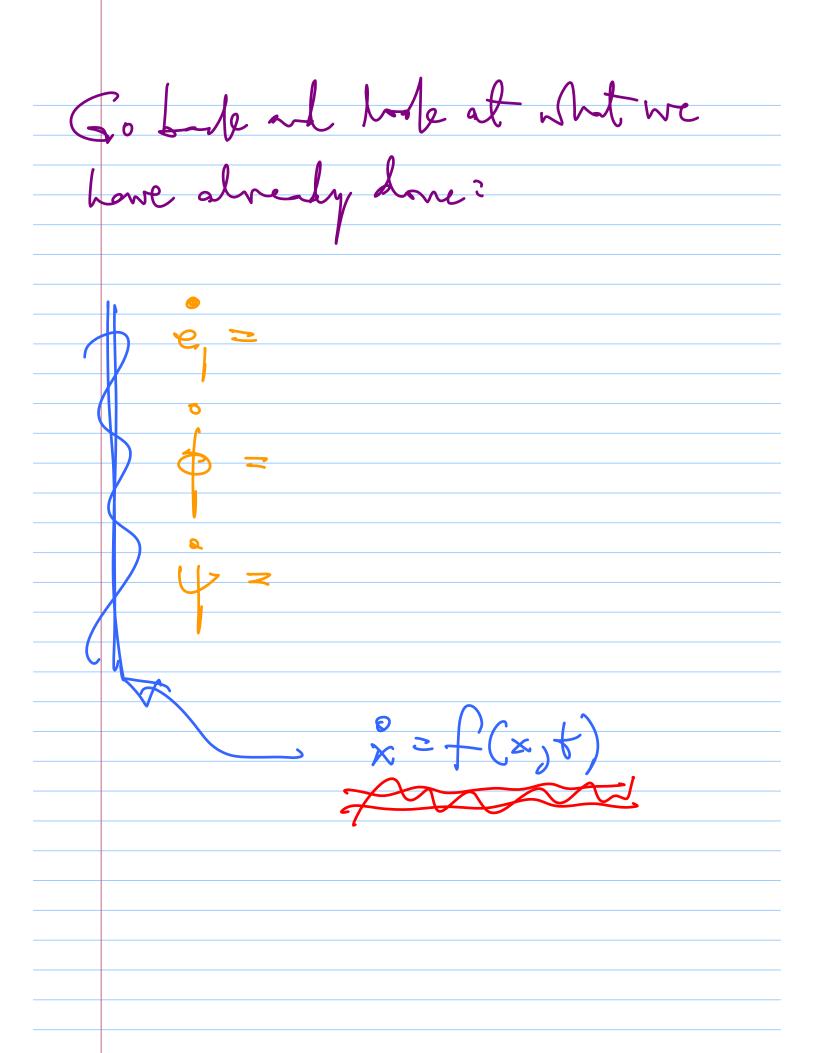
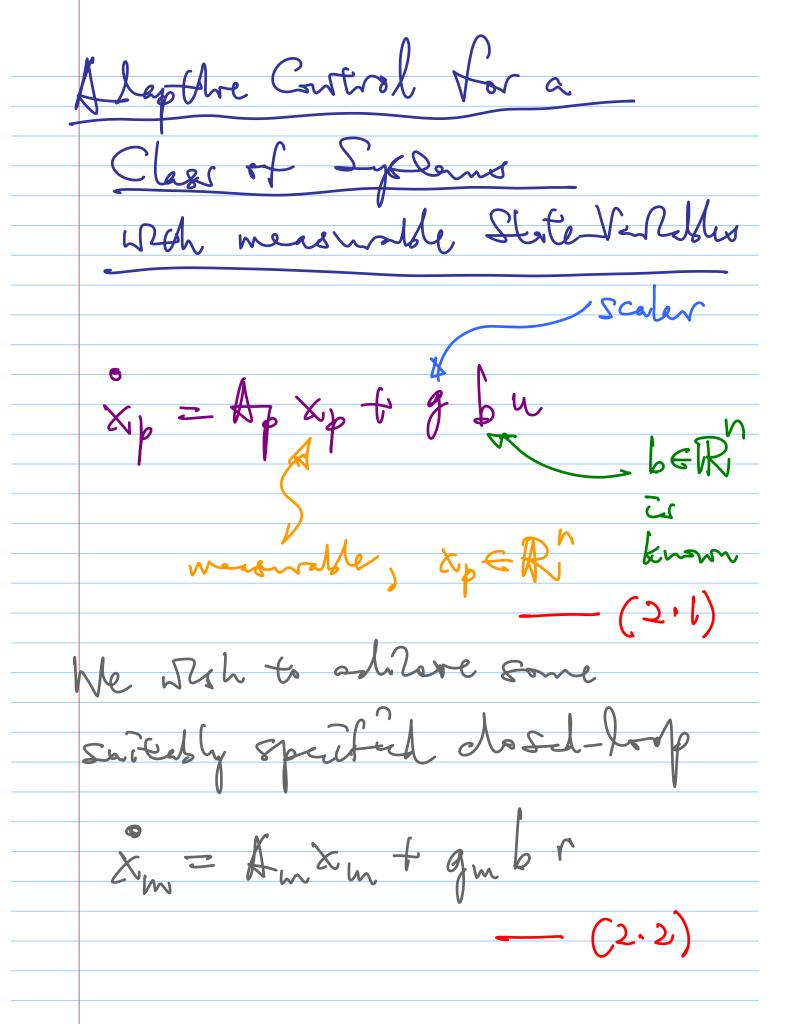
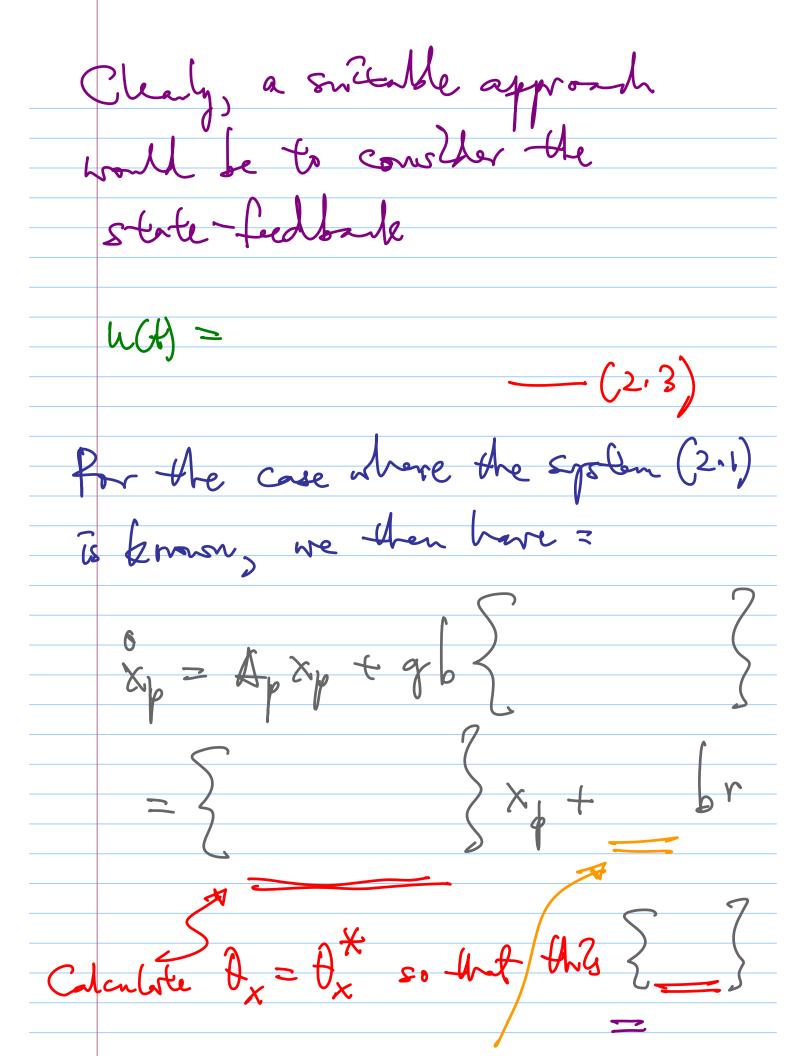
| Note Tit | le 8/15/2013 |
|----------|---|
| | |
| | Consider the |
| | s.v. Cyslem |
| | $x = \{(x, t); x(t_0) = x_0$ |
| | |
| | V(x,t), and drede for |
| | (i) postive-definteness |
| | Eu) demescence |
| | $\langle iii \rangle \forall (x,t) \leq 0$ |
| | (iv) V(x,t) ralinly montal |



Also, wele V(1×1) ~ (uxl)

 $V(x,t) \leq \beta(uxu)$ (ii) From "Control Land",
"Alap Ehre Land vite... (iv) Chearly shore of x(||x||)done glve



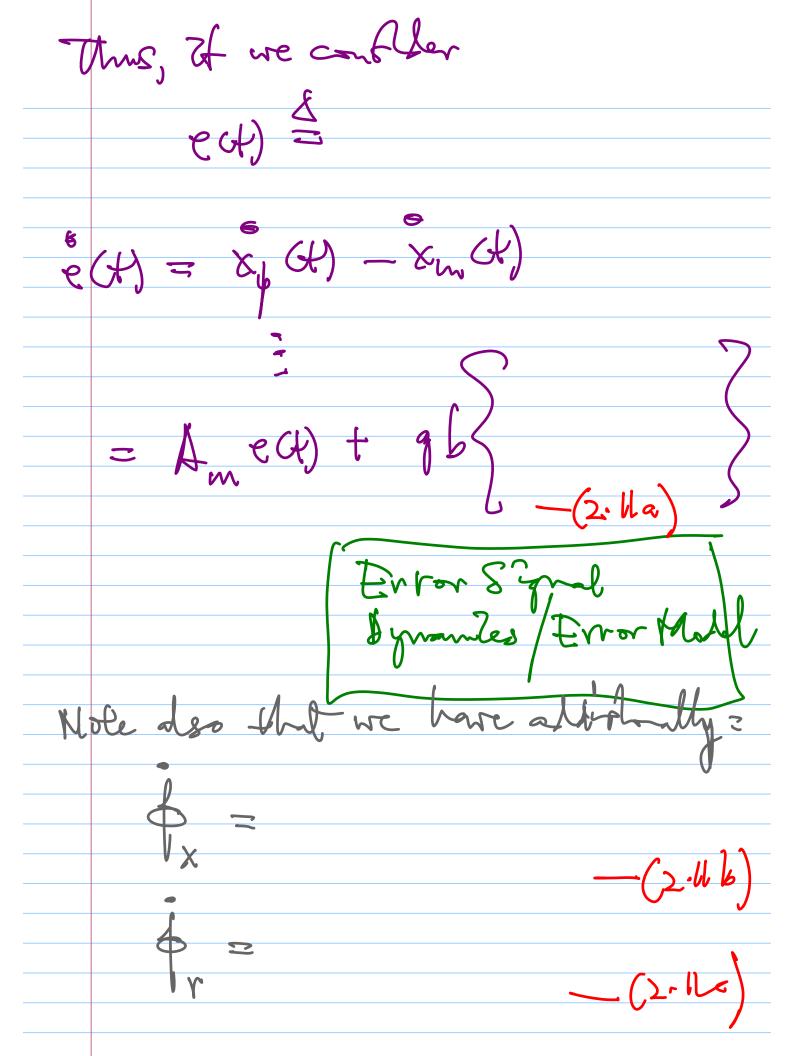


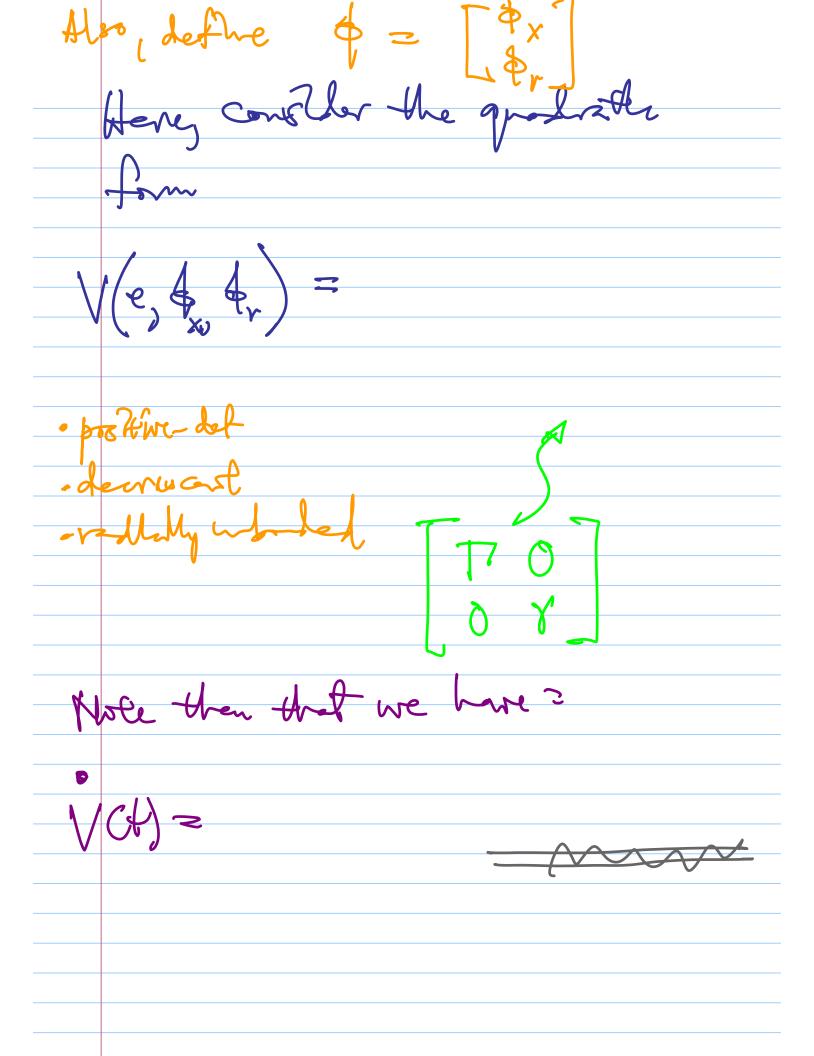
Dr= Pr so-But we de not know System (2-1) 5 Jelson

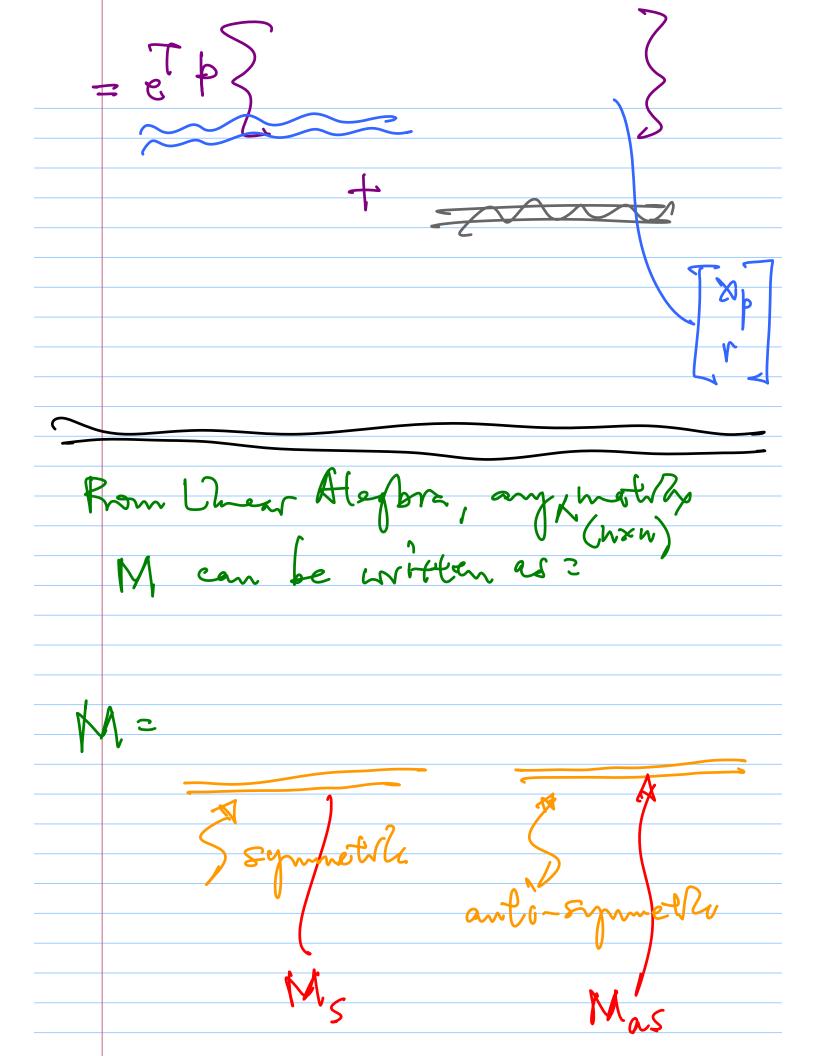
Shu me are usly thme varify galus, had are me spealtify the thre-vacation? Adoptive -(2-6) To any (nxh) postobre-def

Y to any Scaler Y>0 and for a stable An wallis, we have the watrox P, Shih is
the solution to = (2.7) where a is any (nxh) possible det symmetric The solution & strage exoluty
and & is also symmetre-def. How does this comp.

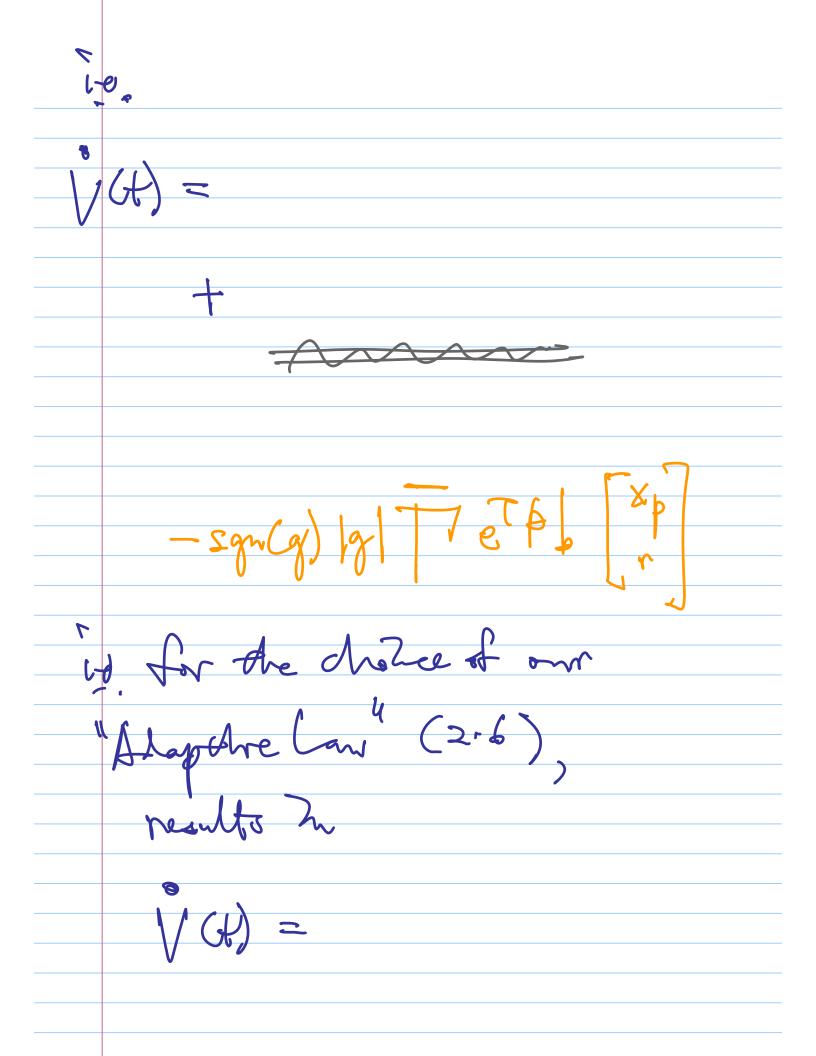
9 Xp

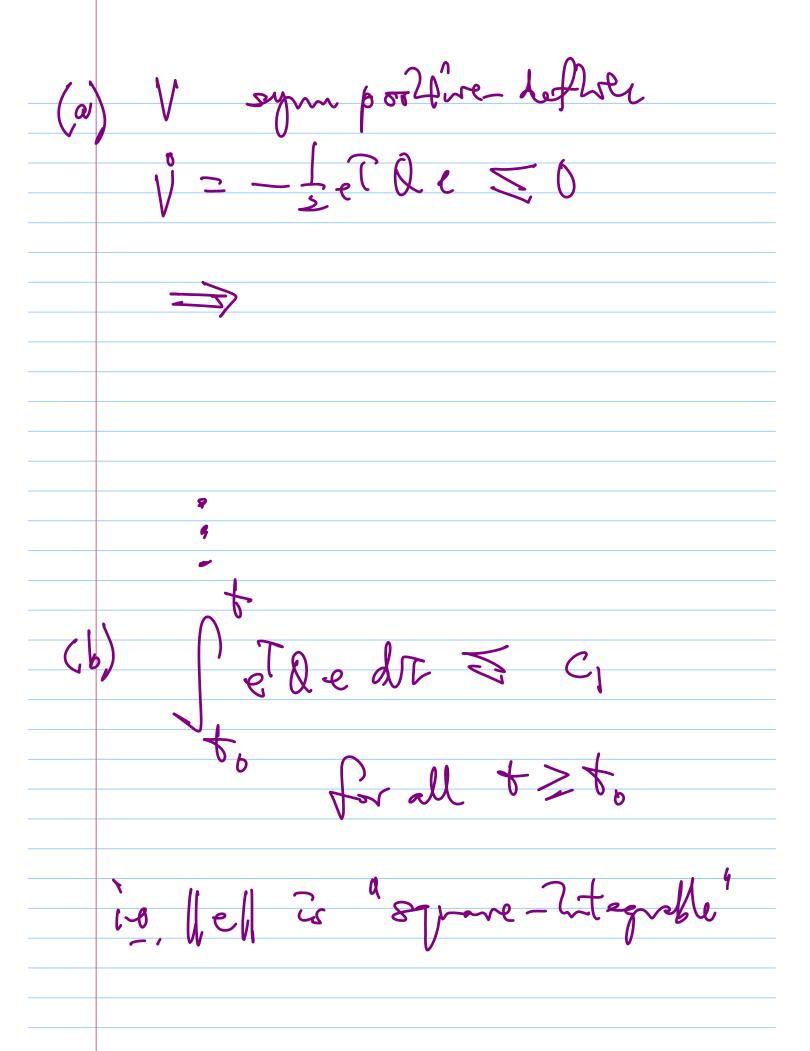






and wice further that for any qualrathe form = $= \times M^{T_{K}}$ Thus, this was that et d'Ambe Deth & sym pootfur -det from Egn (2.7).





(a) e = Ane + gb $\begin{cases} 4 \\ x \end{cases} + 4r \end{cases}$

Well wo bouled for all to to

T.e. (b) & (c) results h

