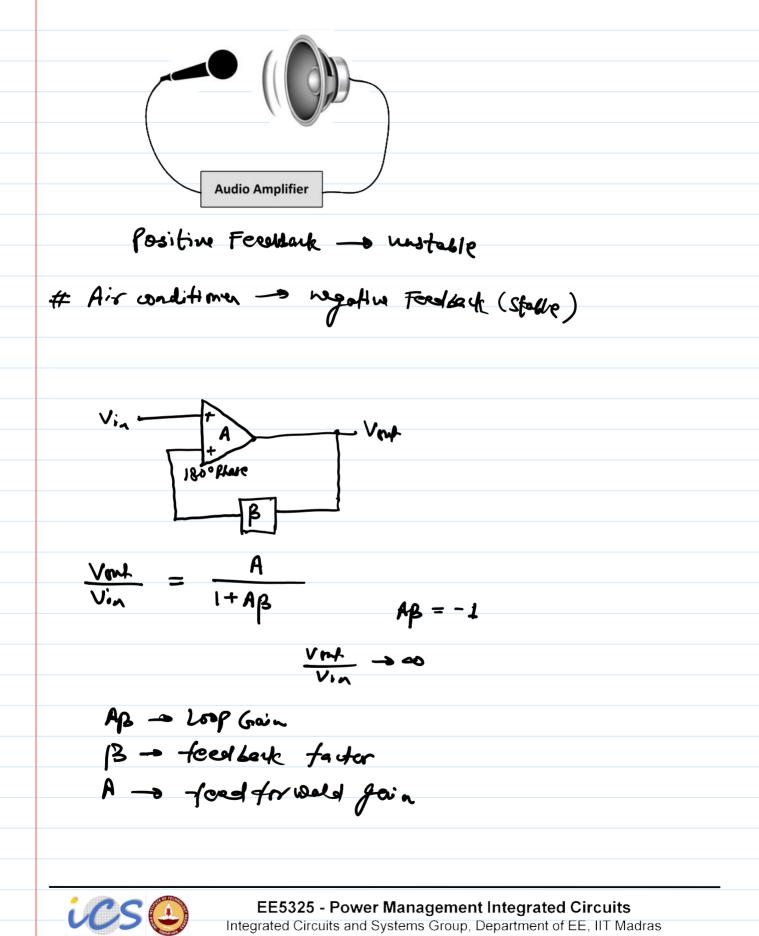
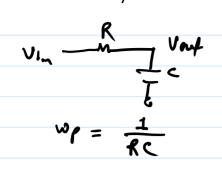
Applications of LDOs Regulator with lover Vin - Vort -> drap out # # Sub-regulated LODs V-1=1.2V 1.25V Vot Vin Switcher LDO system ·). 2.V ± Voip Vrip 2±10mV to handle hyper load where # foralled supply , _____ [200 Vin suitchy Vof leg iC EE5325 - Power Management Integrated Circuits .0

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Overview of Feedback System and Stability



First Order System



$$H(s) = \frac{1}{1 + \frac{s}{1 + \frac{s$$

$$\left(H(s) \right) = \frac{1}{\sqrt{1 + (\sqrt[w]{w_p})^2}}$$

$$/H(s) = -\tan^{-1}(\frac{\omega}{\omega_{p}})$$

$$|H(s)| = \frac{w\rho}{w} \quad for \quad w >> w\rho$$

$$(H(s)| (aB) = -20 (aB), (\frac{w}{w})$$

W= (owp

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