Lecture 6
Schmitt trigger

- this is an example of

- positive feedback the current trend through whisking the threshold
Transfer characteristic

$\delta_{on}$

$\delta_{in}$

- threshold now depends ____________________
Astable multivibrator

- op-amp supplies

Strategy for solving unknown circuits:

Starting oscillations:
- assume ideal op-amp
- there is always noise, so $V_+ = V_-$ is never true for long
Analyze oscillator volt. vs time

For simplicity $V_{sat+} = |V_{sat-}| = V_{sat}$

$V_c(\Delta t) = V_F + (V_I - V_F) e^{-\Delta t / RC}$ (*)

$V_I =$ , $V_F =$

$V_c(\Delta t) =$