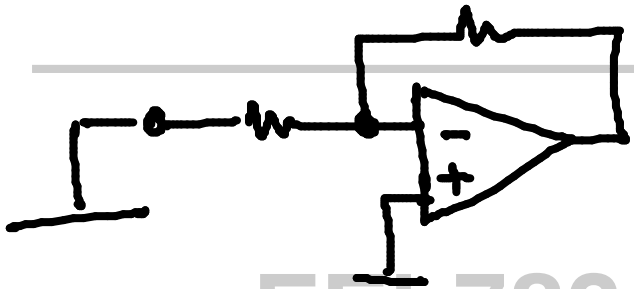
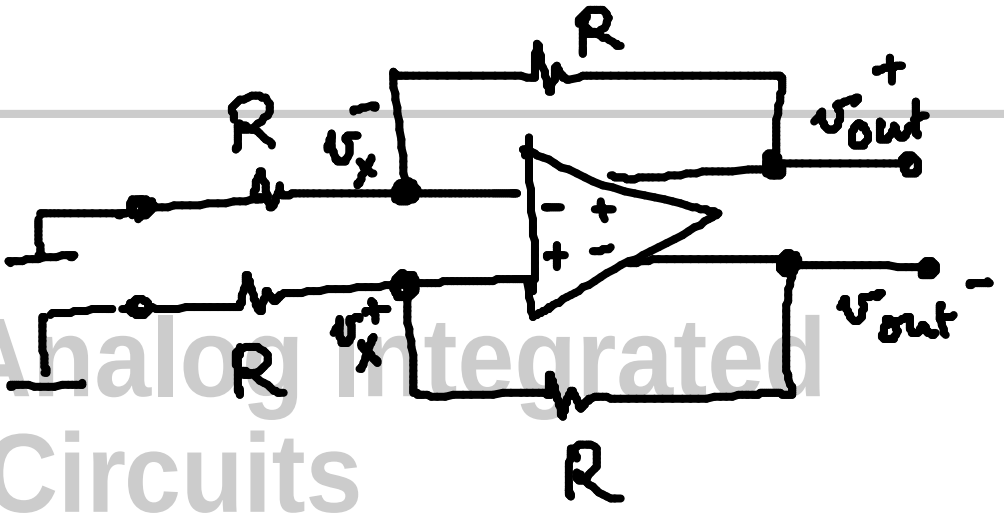


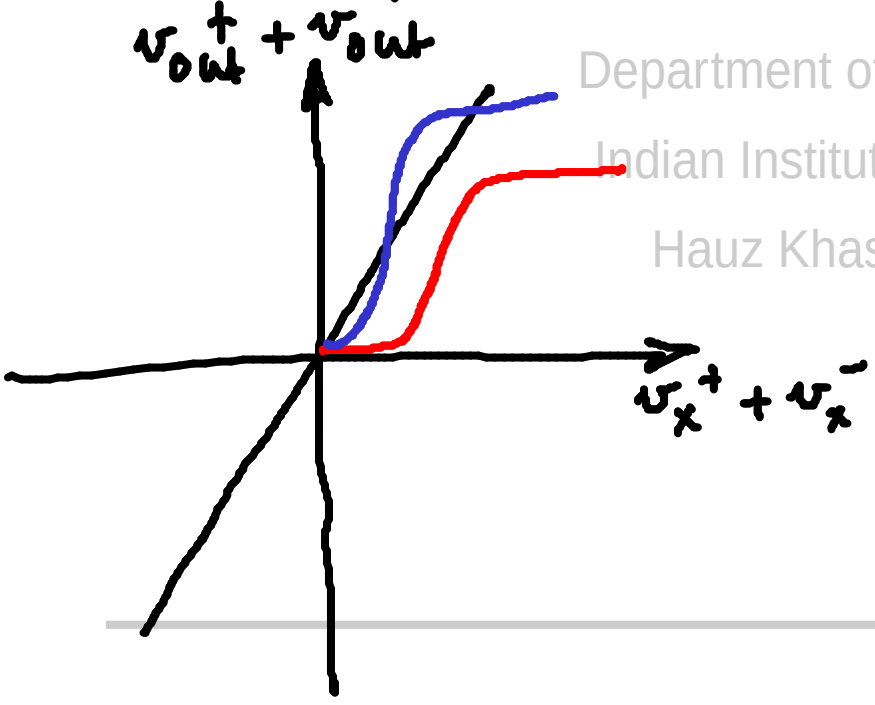


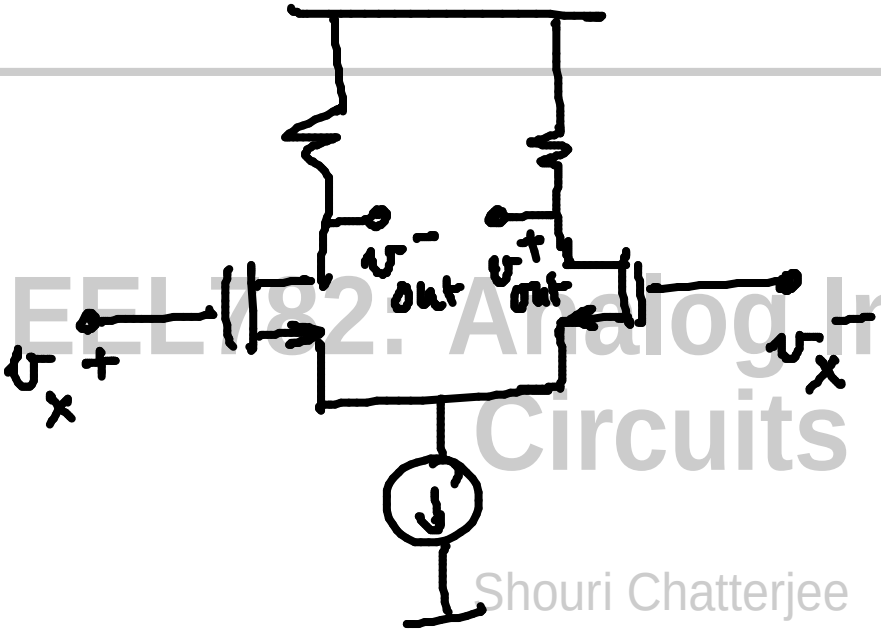
(A) $v_x^- = \frac{v_{out}^+}{2}$

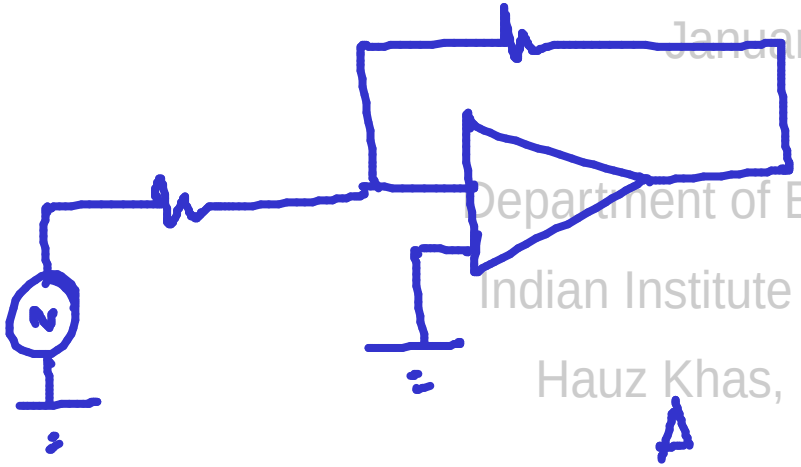
(B) $v_x^+ = \frac{v_{out}^-}{2}$

(1) $v_{out}^+ - v_{out}^- = 2(v_x^- - v_x^+)$

(2) $v_{out}^+ + v_{out}^- = 2(v_x^- + v_x^+)$





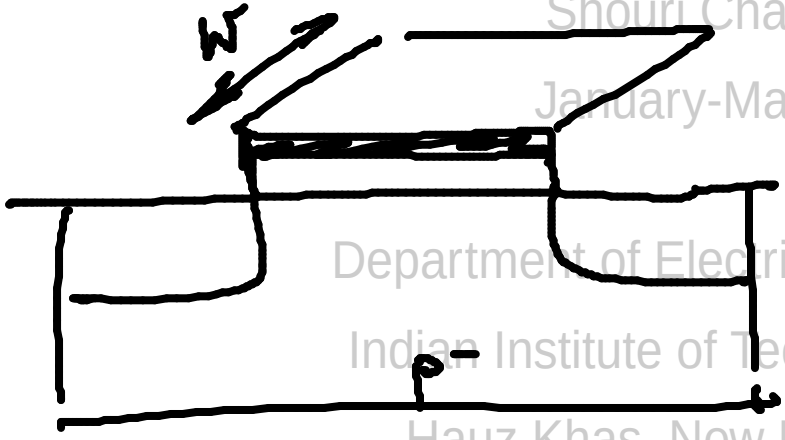


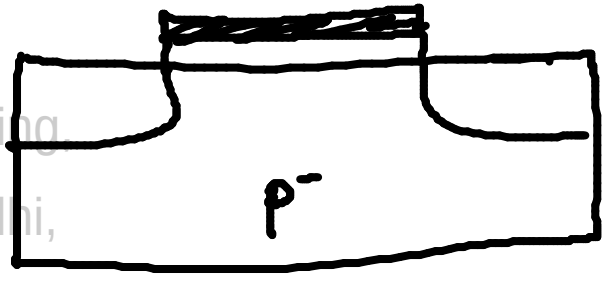
$$\frac{A}{(1+s/\omega_1)(1+s/\omega_2)(1+s/\omega_3)}$$

$$\frac{\left(\frac{A}{(1+s/\omega_1)(1+s/\omega_2)(1+s/\omega_3)}\right)}{1+\left(\frac{A}{(1+s/\omega_1)(1+s/\omega_2)(1+s/\omega_3)}\right)} = \frac{A}{(1+s/\omega_1)(1+s/\omega_2)(1+s/\omega_3)+A}$$

$$\frac{v_{out}^{+} + v_{out}^{-}}{v_x^{+} + v_x^{-}} \qquad \frac{v_{out}^{+} - v_{out}^{-}}{v_x^{+} - v_x^{-}}$$

$$\frac{v_{out}^{+} - v_{out}^{-}}{v_x^{+} + v_x^{-}} \qquad \frac{v_{out}^{+} + v_{out}^{-}}{v_x^{+} - v_x^{-}}$$





Shouri Chatterjee

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Department of Electrical Engineering

Indian Institute of Technology, Delhi,

Hauz Khas, New Delhi 110016