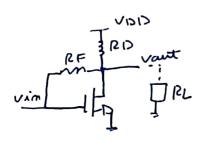


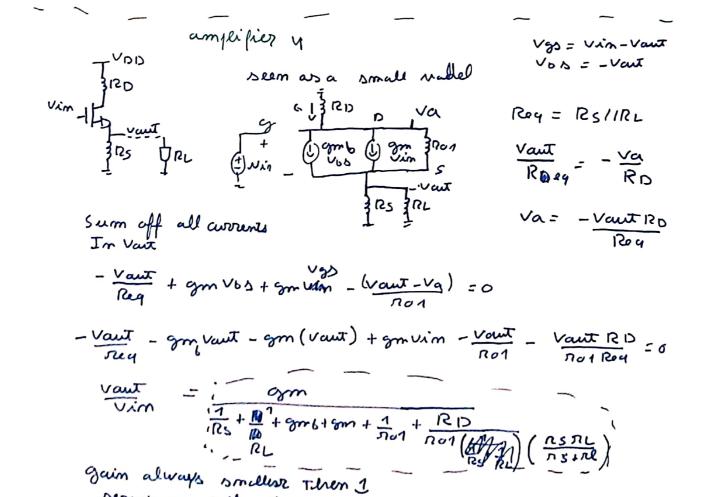
$$\frac{Vant}{Vim} = \frac{\left(\frac{1}{Req_1^2} + cym_1 + cym_{1}^{2}\right)}{\frac{1}{Req_1} + \frac{1}{Req_2^2}}$$

$$\Delta V = \frac{\frac{1}{R_{D}} + \frac{1}{R_{EF}} + \frac{1}{R_{D}} + \frac{1}{R_{D}}}{\frac{1}{R_{O}} + \frac{1}{R_{E}}} + \frac{1}{R_{D}} + \frac{1}{R_{D}}$$



small signal model

$$\frac{Vaut}{Vim} = \frac{\frac{1}{R_F} - 9m1}{\frac{1}{R_D} + \frac{1}{R_L} + \frac{1}{R_{01}} + \frac{1}{R_F}}$$



serves as a lufter stage