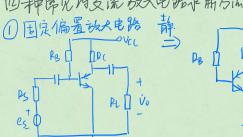
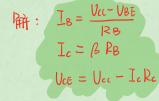
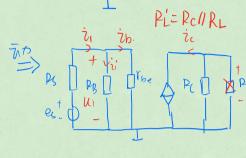


静: Ib, Ic, Vot 动水 ro Au. 另有术Yo日す 用4点

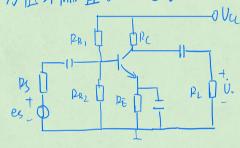


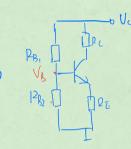




$$\frac{\partial P_{i}}{\partial t} = \frac{\partial P_{i}}$$

# ①为压扰偏置敌大电路.





$$P_{B_1} = \frac{V_{cc}}{P_{B_1} + P_{B_2}} \cdot P_{B_2}$$

$$P_{C_1} = \frac{V_{cc}}{P_{B_1} + P_{B_2}} \cdot P_{B_2}$$

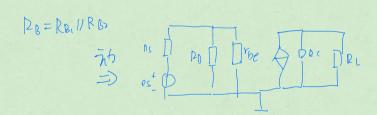
$$P_{C_2} = \frac{V_{cc}}{P_{B_1} + P_{B_2}} \cdot P_{B_2}$$

$$P_{C_1} = \frac{V_{cc}}{P_{B_1} + P_{B_2}} \cdot P_{B_2}$$

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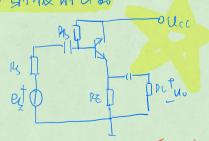


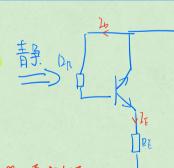
解: 
$$Y_i = Y_{bell} P_B$$

$$Y_0 = R_C$$

$$Au = \frac{\dot{U}_0}{V_i} = \frac{\dot{I}_c \cdot R_c'}{\dot{I}_b \cdot \dot{I}_{be}} = -\frac{\beta RC'}{T_{be}}$$

# 身极射出器





At: Vcc = Ib RB + VOE + IERE  $I_{b} = \frac{I_{b}P_{eb} + V_{aE} + (H\beta)I_{b}P_{b}}{P_{eb} + (H\beta)P_{E}}$ VCE = VCC - TERE

少说 解: Yi= Ybet (HB>(PLII PE)] 11 PB

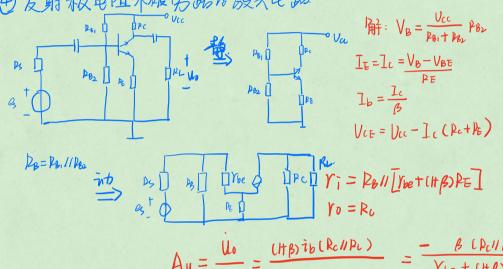
(射极输出器从射极发射)

$$\frac{U_0 + U_0}{\alpha} = \frac{(ath)}{ab} U_0$$

$$\frac{U_0}{a} + \frac{U_0}{b} = \frac{(ath)}{ab} U_0$$

$$r_0 = \frac{U_0}{i_0} = \frac{ab}{ath} U_0 = \frac{ab}{ath} U_0 = \frac{ab}{ath} V_0 = \frac$$

## @发射极电阻未被免路的放大电路



$$A_{u} = \frac{\dot{U}_{0}}{\dot{U}_{i}} = \frac{(H\beta)\dot{r}_{b}(Rc//PL)}{\dot{r}_{b}Y_{be} + (H\beta)\dot{r}_{b}R_{E}} = \frac{-\beta(P_{c}//P_{L})}{Y_{be} + (H\beta)R_{E}}$$

### ①比例运变.



$$Au = -\frac{RZ}{PI} = \frac{U_0}{U_1}$$

$$\frac{2}{2} = \frac{1}{P_{1}}$$

$$\frac{2}{2} = \frac{1}{P_{1}} = \frac{1}{P_{1}}$$

$$\frac{1}{P_{1}} = \frac{1}{P_{1}} = \frac{1}{P_{1}}$$

#### Pr=PI/IPF

$$2 \text{ to it is } \frac{1}{2}$$

$$\frac{1}{4}$$

$$\frac{\partial}{\partial u_1 + \partial u_2} + \frac{\partial u_1}{\partial u_2} + \frac{\partial u_2}{\partial u_2} + \frac{\partial u_3}{\partial u_3} \qquad U_1 = \frac{P_{12}}{P_{11} + P_{12}} U_1 + \frac{P_{11}}{P_{11} + P_{12}} U_2$$

$$\frac{\partial}{\partial u_2} - \frac{\partial u_3}{\partial v_1} \stackrel{\text{dist}}{=} P_1 = P_2 = P_2 \qquad \hat{\sigma}_1 = \hat{\sigma}_2 \qquad \hat{\sigma}_2 = \hat{\sigma}_3 \qquad \hat{\sigma}_3 = \hat{\sigma}_3 \qquad \hat{\sigma}_4 = \hat{\sigma}_4 \qquad \hat{\sigma}_5 = \hat{\sigma}_5 \qquad \hat{\sigma}_5 = \hat{\sigma}$$

$$U_0 = -\frac{P_F}{P_1}$$
 (U1+U2+U3).

## Rx= P111 P2 11 P311 PF

# 

$$\dot{z}_i = \underbrace{\frac{U_i - U_f}{P_i}} \qquad \dot{z}_F = \underbrace{\frac{U_f - U_o}{P_F}}$$

$$\frac{U_0}{R_F} = U + \left(\frac{1}{R_1} + \frac{1}{R_F}\right) - \frac{U_1}{R_1}$$

$$U_1 = \left(\frac{P_2}{P_1 + P_2} U^2 \left(\frac{1}{P_1} + \frac{1}{P_F}\right) - \frac{U_1}{R_1}\right) P_F$$

# 10 = ( H Az ) Ut

## PUMPO = PIMPF

