

P271. 5.4

- (a) 直流负反馈 (b) ~~正反馈~~ ~~负反馈~~ ; 直、交都响。  
(c) 负反馈, 直流 (d) 交、直、负 (e) 负、直、交  
(f) 负、交、直 (g) 负、交、直 (h) 负、交、直.

P272. 5.5

- (a) 交, ~~负~~ <sub>直</sub> (b) 交, 直, 负 (c) 直, 负 <sup>Reb</sup> ; 交, 直, 正, <sub>Reb</sub> <sup>Reb</sup> ;  
(d) 交, 直, 负 (e) 交, 直, 负 (f) 交, 负, 直.

P272. 5.6

- (d) 并联, 电流 (e) 电压串联 (f) 电压串联  
(g) 电压串联 (h) 电压串联.

P272. 5.7

- (a) 电压并联 (b) 电压串联 (c) 电流并联 (f) 电流串联.

P272. 5.8

(d)  $\frac{U_i}{R_1} = \frac{U_o}{R_L} \Rightarrow \dot{A}_u = \frac{R_L}{R_1}$

(e)  $\frac{0 - U_i}{R_1} = \frac{U_o - U_o}{R_2} \Rightarrow \dot{A}_u = 1 + \frac{R_3}{R_1}$

(f)  $\dot{A}_u = 1$

(g)  $\frac{0 - U_i}{R_1} = \frac{U_i + U_o - U_o}{R_2} \Rightarrow \dot{A}_u = 1 + \frac{R_2}{R_1}$   ~~$U_i = 0 U_i$~~   <sup>$U_i = 0 U_i$</sup>

(h)  $\dot{A}_u = \frac{U_o}{U_i} = \frac{U_o}{U_i} = \frac{R_1 + R_3}{R_1} = 1 + \frac{R_3}{R_1}$

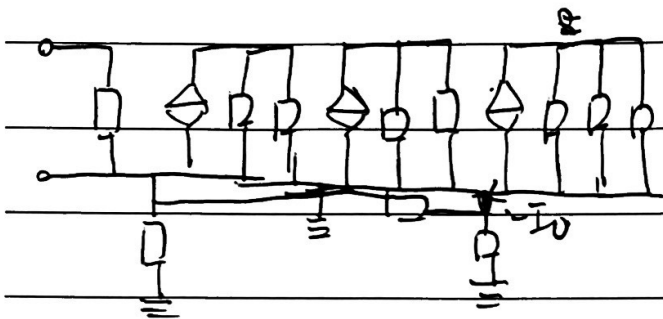
10272. 5.9.

cont  $A_u = \frac{U_o}{U_i} \approx \frac{U_o}{U_{f1}} = \frac{1}{F_{o1}} \cdot \frac{1}{R_s} = \frac{24 \cdot R_f}{24} \cdot \frac{1}{R_s} = \frac{R_f}{R_s}$

$$(b) \cdot A_u = \frac{U_o}{U_i} \approx \frac{U_o}{U_f} = \frac{R_1 + R_2}{R_1} = 1 + \frac{R_2}{R_1}$$

$$(e) \cdot \dot{A}_u = \frac{U_o}{U_i} \approx \frac{I_o R_L}{I_f R_s} = \frac{R_1 + R_2}{R_2} \cdot \frac{R_{L1} R_4}{R_s} = \left(1 + \frac{R_1}{R_2}\right) \frac{R_{L1} R_4}{R_s}$$

$$(f) \cdot A_u = \frac{U_o}{U_i} = \frac{\partial U_o}{\partial U_i} = \frac{\partial U_o}{\partial U_i} (R_7 || R_8 || R_9).$$



$$V_4 = -I_0 \frac{R_2 R_4}{R_2 + R_4 + R_9}$$

$$\therefore \Delta_{\text{eff}} = \frac{R_2 + R_8 + R_9}{R_2 R_9} (R_7 \parallel R_8 \parallel R_4)$$

372. 5.10.

电压串联, 无穷, 11, 11, 1, 14, 14, 1

1273. 5.12.

~~$$I_{\text{sum}} = 10^4$$~~  $\varphi = 180^\circ \text{ 时, } f = 10^5 \text{ Hz.}$

$$A = \frac{5 \times 10^3}{j-10} \quad |A \cdot F| \Rightarrow F < \frac{1}{5 \times 10^3} (j-10).$$

~~1273.~~

P 273. 5.13

