Date

TO WEST WARM WATER

"到了两人时间就是这个现在分

医感觉运行的 五分裂流流, 水面原料 即外移動所 打架

-				
1 1	2	- 7	To	121
V 3		6	1	

知识点: 反慢维泰判断

18. 汽柱:

串联/年联→输入端

知改無2:反馈的良好性质

[PI-EX.13] 編: dA = 1-20 dAf = 0.01② |Af = 100 ⑤

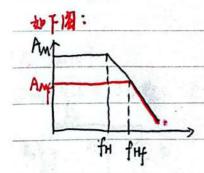
解· 先由 ①. ②· 经合 dA+ · HAF dA

再由 Af = A () . 且Af = 100 => A = 100(1+AF)

: (Aul > 2000

由 ⑤. ⑥ F 2 19 = 0.0095 ⑥.

② 博加澤寬



引×及馈后: Amf = 1 (Am ()成小)

WHF = WH (1+ AMF) (1 有力b)

[P1: Ex.12] AX

[P2: Ex.7] 解: 1+AF: 100 fy= (HAF) fy = 100. 10×103 = 1×106; f = 100 = 1 Hz

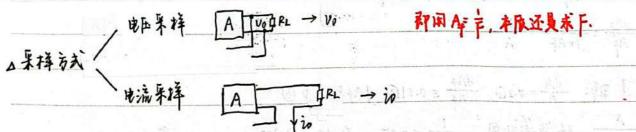
知识点か ポるける数

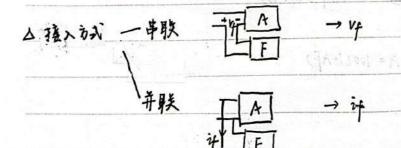
<岢驟>: ①找及馈国路, 预免正方向(对照框圈) → <注>>

- ②判断类型, 到表达式 →江泊 下二类
- ③电流平库加与恒流源,电压平库加的作为源计等 断于输入1.并联短接,串联断路)

<注:表达式及框图汇息>

变的→有些疑水沸度负责情后Av.





[P. Ex.5]

11) 电压并联负函馈:

矮接 A-与地,加Vo

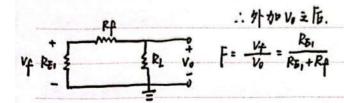
(2) 电压串联复及馈: 下: 片, 断开4仅留4

$$\frac{V_4}{V_0} = \frac{R_5}{R_5 + R_F}$$

[P2-Ex-2.(2)]

解· 类型: 电压条择串联 F= 芒

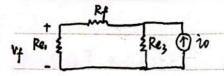
回路、断后:



[P2- bx. b. 12)]

海· 电流平洋串联 F= 4

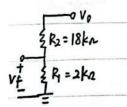
回路:



$$\therefore F = \frac{V_f}{-io} = \frac{Re_s + R_f}{Re_s + Re_f + Re_s} \cdot Re_s \cdot \frac{Re_s}{Re_s + R_f} = \frac{Re_s Re_s}{Re_s + Re_s + Re_s}$$

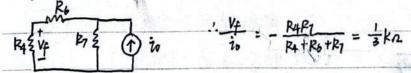
[P2- bx.9]

解: 电压条样串段 F= 4 = = 0.1



[P2- BX.10]

① Vog:电流采择串联: F= 华

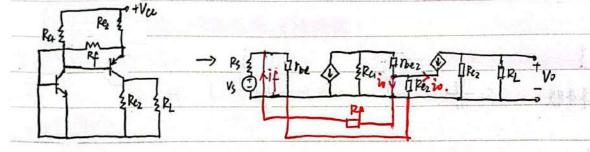


[B-bx.12]

晓荡乐择并联:

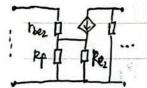


短接以



io = Rez Rp + Rez 短接后

· 液入点行后



许法格心 像上面色出模型故草原好。

知识点4:海庚更及設下增益求解,Rip/Rop 《建立在3 的基础上,不太难》.

[P2-EX.2(4)]

$$A_V = \frac{V_0}{V_i} = \frac{1}{F} = \frac{R_0 + R_1}{R_E}$$

$$R_{if} = R_{i} (1+AF) \rightarrow A$$

$$Rof = \frac{k_1}{1+AF} \rightarrow 0$$

[P2-Ex. b. 12)]

思流来辞事験、
$$F=\frac{V_{4}}{i\sigma}=-\frac{Re_{1}Re_{2}}{Ra_{1}+Re_{3}+R_{4}}$$

$$\therefore Anf = \frac{V_0}{V_i} = \frac{1}{F} \cdot R_0 = \frac{R_{e_1} + R_{e_3} + R_f}{R_{e_1}R_{e_2}} \cdot R_{e_3}$$

[P2-欧9] 电压条择串联 F= 4 = = = 0.1

[B = Ex 10]

Voj: 电流采挥串段 F=4=3

.: Avf = = . R8 = 3.1= 3V/V

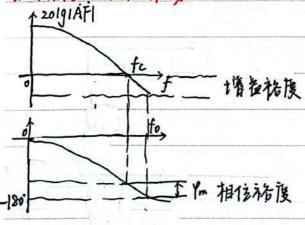
Voz·B压串联

Aux = = = 2.5 V/V

[P2-EX12] 电流条择并联 F= io = Rez if = Rf+Rez $\therefore Av_f = \frac{R_0}{R_f} \cdot \frac{R_f + Re_2}{Re_2}$

$$=\frac{(Rc_2//R_L)}{Rf}, \frac{Rf+Re_2}{Re_2}$$

知次点5:自激振荡



fo>fc ·传路稳定,不自肠处振药

[记忆时:fc 无机会剂-180°]

[P2: Ex.4] 解: 20191ÀF | ≤0 > 20191Á1 +20191F|≤0

fo处, 201giA = 60dB ·· 201giF1 2-60dB ··上限-60dB