6.1. (a). 负反馈;

(b). 负反馈;

(c). 正反馈;

(d). 正反馈;

(e). 负反馈;

(f). 负反馈.

6.2. (a). 负反馈，电压并联;

(b). 负反馈，电压并联;

(c). 负反馈，电压并联;

(d). 负反馈，电压串联.

(e). 正反馈，电压并联;

6.3. (a).电压串联负反馈;

(b).电压串联负反馈.

(e).电压串联负反馈.

(f). V_{o1}：电流串联负反馈;

V_{o2}：电压串联负反馈

6.4. D=50.12

6.5. A_r=1912.5$K\Omega$;

F_g=1.95×10^{-5} S.

6.7. $A_{rf}=-1000$;

R_i=82.6Ω;

R_o=0.

6.8. $A_f=\dfrac{A_1A_2}{1+A_1F_1+A_1A_2F_2}$

6.10 中频增益G=166.7;

$\omega_h=1.36\times10^6 rad/s$

$\omega_l=1.47 rad/s$

6.11. $R_f=10.64k\Omega$

$\omega_{hf}=6.31\times10^6 rad/s$

6.12. $R_f = 94\Omega$

$\omega_{hf} = 3.32\times10^7\, rad/s$

6.15. $\dfrac{I_o}{I_s} = -\dfrac{R_1R_2 + R_1R_3 + R_2R_3}{R_3R_L}$

6.15. $A_{rsf} = 300.1k\Omega$

$R_{if} = 0$

6.17. A_{Vsf}=50.

6.22. 不稳定.

6.23. (1) F_0=1.24×10^{-3};

(2). F_{0max}=0.05;

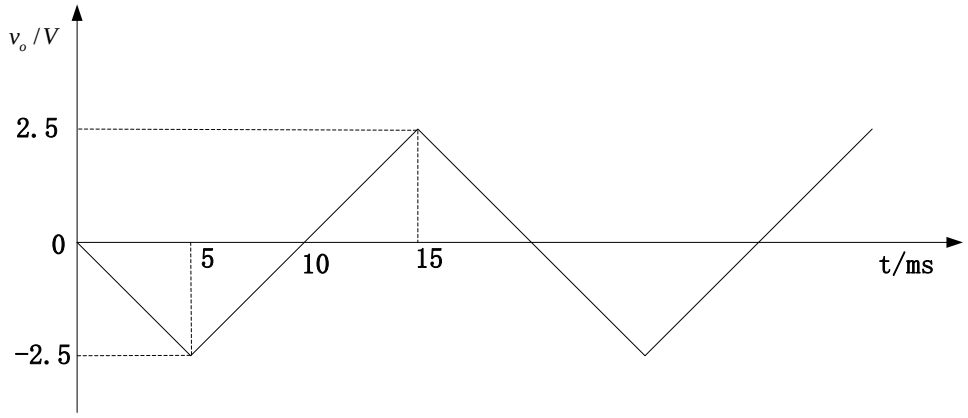
6.24. (1). F_{0max}=8×10^{-4};

(2). G_P=14dB.

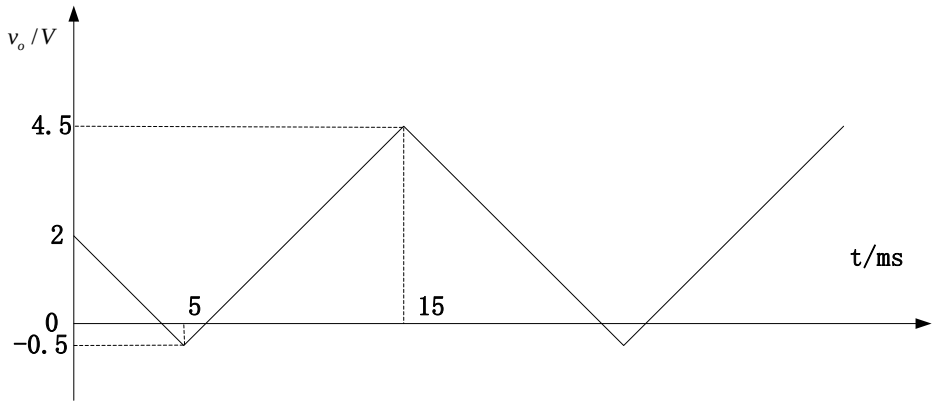
7.1. (b). $V_o = \dfrac{R_3}{R_2}(V_{i2} - V_{i1})$

(c). $V_o = \dfrac{R_2R_4}{R_1R_3}V_{i1} - \dfrac{R_4}{R_5}V_{i2}$

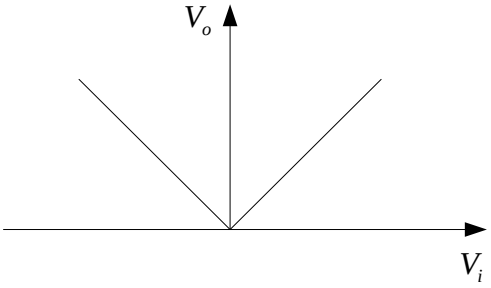
7.2.



7.3.



7.13. Vo=|Vi|.



7.15. 600s.

7.18. $Z_i = \dfrac{R_1 R_2}{Z}$，所以当 Z 为电容时，Z_i 呈感性。

7.20. $\dfrac{V_o}{V_{i1} - V_{i2}} = -101(1 + \dfrac{R_1 + R_2}{R_w})$

7.27. C_{p1}=2.77nF;

C_{p2}=28.10nF.

7.28. (1). $A_f = 10$时，$C_p = 2.77nF$

(2). $A_f = 1$时，$C_p = 28.095nF$