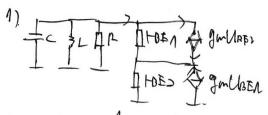
13. Oszillatoron、正致波振荡型、 基本原理、 这种环放灯的 k(s)= Uns), 反馈字放下(s)= (1)(s), (用环· Ku +5)= (1)(s) 4115) = Usis) + U'iis) => Usis) = U'iis) - Ulis)  $|Ku(s)| = \frac{U_0}{U_1 - U_1'(s)} = \frac{U_0/u_1'}{1 - \frac{U_1'(s)}{U_1'(s)}} = \frac{|K \bullet (s)|}{1 - F(s) - K(s)}$  可能也能积度。 Beispieleschaltung  $I_{A}=-I_{2}\Rightarrow I_{A}+I_{1}=0\Rightarrow y_{A}+y_{1}=0.$   $y_{A}=A+j_{A}+j$  $\Rightarrow \frac{1}{2} = \frac{T_0}{4U_1}, \quad T_0 = \frac{4U_1}{P}, \quad j_{WL} + \frac{1}{j_{WL}} = 0 \Rightarrow -W^2CL + 1 = 0$ 非线性分析. 电路方程。  $I_{1} = \frac{U}{R} + \frac{1}{\sqrt{M}} \frac{$ => In+Iz=0, dIn+dt=6 0= fide+2 + C din- 447 (A-tampi 247) die => U+ \frac{1}{R} [1-\frac{10R}{4WI} (1-\text{tom}\frac{1}{2WI})] \frac{1}{Qt} + LC \frac{d^2u}{Qt^2} = 0 => d24 + pc 11 - Top [1 - tomh 2 = 1] / dt + 1c. N=0 => W= MSMAT, f1= ZZALL 非线性例以行至叶级仪(-所) / N(jm/1, 补线性贵叶证序号, 乌线性贵叶证序)。  $I_2 = F(ne) = -\frac{1}{2}(1 - \tanh\frac{\hat{M}\sinh vt}{2hT}), \quad \alpha_{M=0} \quad b_{M} = -\frac{1}{27}\int_{0}^{27} (1 - \tanh\frac{\hat{M}\sinh vt}{2hT}) Simutott$ Night = DA. , Gign = Princtine => inctine => inctine => if = 2 Tolic =)  $\frac{bn}{a}$ . p=n =>  $bn=\frac{a}{R}=\frac{1}{27}\int_{0}^{27} \tanh \frac{ann}{2m} \sinh t dt$ .  $\int A = \frac{I_0 \cdot R}{R} = \frac{I_0}{2Z} \int_0^{\infty} \frac{1}{4\pi n} \frac{1}{2N\eta} \frac{1}{2N\eta} \frac{1}{2N\eta} \frac{1}{2N\eta}$   $\int \frac{I_0 \cdot R}{2N\eta} \frac{1}{2N\eta} \left( \frac{M}{2N\eta} \right) = \frac{I_0 \cdot R}{2N\eta} \frac{2N\eta}{N\eta} \frac{1}{2N\eta} \frac{1}{2N\eta}$   $\int \frac{1}{2N\eta} \frac{1}{N\eta} \frac{1}{2N\eta} \frac{1}{2N\eta} \frac{1}{2N\eta} \frac{1}{2N\eta}$   $\int \frac{1}{2N\eta} \frac{1}{N\eta} \frac{1}{2N\eta} \frac{1}{2N\eta} \frac{1}{2N\eta}$ 大倍于 tanh(x)=生儿 => M=元/Io Io>性, M=0, Io<6411=42.2M



O2-02.

1) 
$$Z = \int_{1}^{1} \frac{1}{\int_{1}^{1} \frac{1} \frac{1}{\int_{1}^{1} \frac{1}{\int_{1}^{1} \frac{1}{\int_{1}^{1} \frac{1}{\int_{1}^{1} \frac{1}$$

2) 
$$U_{0} = ip \cdot Rp + uRef$$
 $ip = |u_{2} - ip \cdot Rs|/2 \cdot lgh$ 
 $2s = \frac{1}{pu} \cdot \frac{1}{pu} \cdot Rs + \frac{1}{pu} \cdot Rs$ 

1. Fall 
$$V_1 = 0.367$$
 2. Fall,  $V_2 = 2.51$ 

5) 
$$K = \frac{no}{na} = \frac{p_2}{P_1 + P_2} = \frac{1}{1 + \frac{p_4}{P_1}}$$

07-07,

2). 
$$G(\tilde{\eta}n_1) = \frac{1}{\tilde{\eta}} P$$
.  $N(\tilde{\eta}n) = \frac{\tilde{f}_{211}}{\tilde{u}} = \frac{-\tilde{f}_6}{2\pi n_1} \int_{0}^{2\pi} t_m n_1 \left(\frac{\tilde{h}_1}{2m_1} \cdot sinn_1 + sin$ 

3). Ans Voi-lessing.

3.1). 
$$I_0 = \frac{4U\tau}{R} = 34.7mA$$

$$\int_0^{2\pi} \sin^{2} x = \int_0^{2m-1} \frac{2n-3}{2m-1} \cdot \frac{2n-3}{2m-1} \cdot \frac{2n}{2m-1} \cdot \frac{2n-3}{2m-1} \cdot \frac{2n-3}{$$

7.3) pos Halbrelle. To spector to 
$$J_2 = 0$$

neg. Halbrelle. To spector.  $J_2 = I_0$ 
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