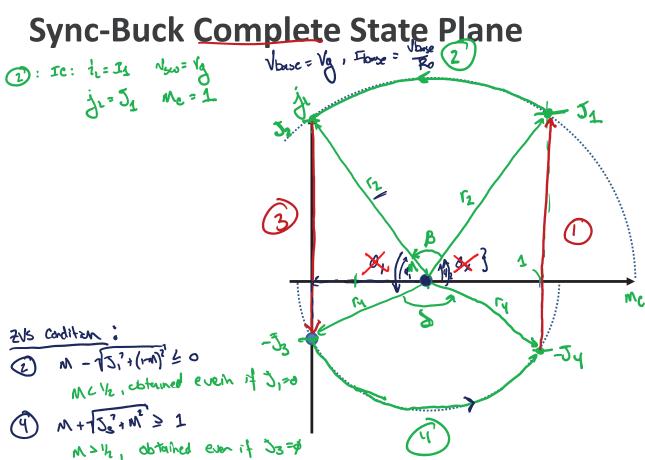


(9) M+ (5,2,1 M2) ≥ 1



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State Plane Solution: Intervals 1 & 2

Non-resonant interval

$$\frac{1}{2} \sqrt{\frac{1}{2}} \frac{1}{\sqrt{\frac{1}{2}}} \frac{1}{\sqrt{\frac{1}{2}}} = \frac{1}{2} + \frac{1}{2} \frac{1}{\sqrt{\frac{1}{2}}} \frac{1}{\sqrt{\frac{1}{2}}} = \frac{1}{2} + \frac{1}{2} \frac{1}{\sqrt$$

$$\frac{1}{I_{losse}} = \frac{1}{V_{losse}} R_0 , V_{losse} = V_0$$

$$\frac{R_0}{L} = \frac{1}{L} = \frac{1}{L} = \omega_0$$

2 Resonant interm
$$\begin{cases} r_2^2 = J_1^2 + (1-M)^2 \\ r_2^2 = J_2^2 + M^2 \end{cases} \qquad \int_{1}^{2} + (1-M)^2 = J_2^2 + M^2$$

$$8 = \pi - \tan^{-1} \left(\frac{3z}{m}\right) - \tan^{-1} \left(\frac{31}{1-m}\right)$$

State Plane Solution: Intervals 3 & 4

3) Non-resonant intermal
$$\frac{V}{L}t_3 = J_2 + J_3$$

$$M \theta_3 = J_2 + J_3$$

$$\int_{0}^{\pi} \frac{1}{2^{3}} \int_{0}^{\pi} \frac{1}{2^{3}$$

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State Plane Solution: Averaging Step

$$T_{out} = \frac{1}{t_0} \int_{0}^{t_0} i_{out}(t) dt = \frac{1}{t_0} \int_{0}^{t_0} i_{u}(t) dt + \int_{t_1 t_2 t_0}^{t_1 t_2 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_0}^{t_1 t_1 t_2 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_0}^{t_1 t_1 t_2 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_1 t_2 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_1 t_2 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_1 t_2 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_1 t_2 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_1 t_2 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_1 t_2 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_2 t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_1 t_2 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_1 t_2 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_2 t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_2 t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_2 t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_2 t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_2 t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_2 t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_2 t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_1 t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_1 t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_1 t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_1 t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_1 t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_1 t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_1 t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_1 t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_1 t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_1}^{t_1 t_0} i_{u}(t) dt + \int_{t_1 t_2 t_0}^{t_1 t_0} i_{u}(t) dt + \int_{t_1 t_1 t$$

Jout =
$$\frac{1}{10} \left[\frac{J_1 - J_1}{2} + \frac{J_2 - J_3}{2} + \frac{J_2 - J$$

Define
$$F = \frac{f_0}{f_0} = \frac{\omega_s}{\omega_0}$$

Normalized Period

$$t_1 + t_2 + t_3 + t_4 = T_5$$

$$\theta_1 + \beta + \theta_3 + \delta = 0_0 T_5 = \frac{\omega_0}{f_5} = \frac{2\pi}{F}$$