

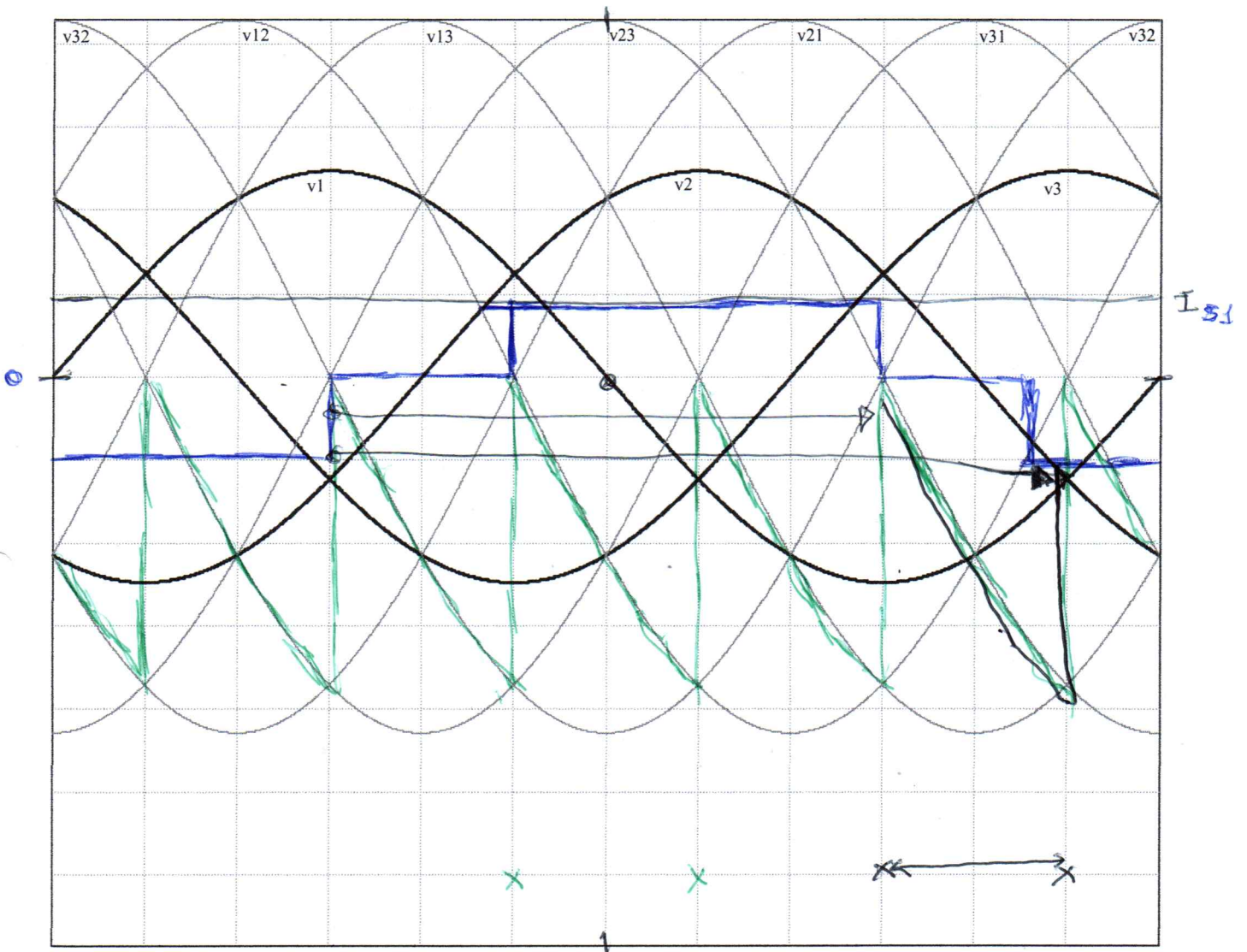
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$T21$ $T3T1$ $T31$ $T3T2$ $T32$ $T1T2$ $T1T2$ $T1T3$ $T1T3$ $T2T3$ $T2T3$ $T2T1$

$V_{max} = 110^\circ$; $\alpha =$

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$$V_{\text{medio}} = 6 \times \frac{1}{2\pi} \int_{\pi}^{\pi + \frac{\pi}{3}} 110 \cdot \sqrt{2} \cdot \sqrt{2} \sin \theta \, d\theta$$

$$S = \sqrt{2} \cdot 110V \times I_{1 \text{ rms}}$$

$$P_1 = \frac{P_0}{3} = \frac{1}{3} \times \frac{1}{2\pi} \int_0^{2\pi} V_0(\theta) I_0(\theta) \, d\theta$$

$$= \frac{1}{3} \times V_{\text{medio}} \times I_{0 \text{ medio}}$$

$$P_0 = R I_{0 \text{ rms}}^2 + E \times I_{0 \text{ medio}}$$

$$I_{S1} \rightarrow I_{0 \text{ medio}}$$

$$I_{1 \text{ rms}} = \sqrt{\frac{1}{2\pi} \int_0^{2\pi} I_1^2(\theta) \, d\theta}$$

$$= \sqrt{\frac{2}{2\pi} \int_0^{\frac{2\pi}{3}} I_{0 \text{ medio}}^2 \, d\theta}$$

$$I_{0 \text{ medio}} = \frac{V_{\text{medio}} - E}{R}$$