



$$R_1 \quad R_2 \quad R_3$$

$$i_C = I_m \sin(\omega t + \frac{\pi}{2})$$

$$v_C = V_m \sin(\omega t + \frac{\pi}{2})$$

$$I_1 V_1 = I_2 V_2 \quad F = qvB \sin \theta$$

$$E_n = -\frac{13.6}{n}$$

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