



the capacitor charge and discharge to made the circuit oscillate, than rectangular pulse.

Calculation of the oscillation frequency

$$t_{WH} \approx 0.7 (R_1 + R_2)C$$

$$t_{WL} \approx 0.7 R_2 C$$

$$T = t_{WH} + t_{WL} \approx 0.7 (R_1 + 2R_2)C$$

$$q = \frac{t_{WH}}{T} = \frac{R_1 + R_2}{R_1 + 2R_2} > 50\%$$