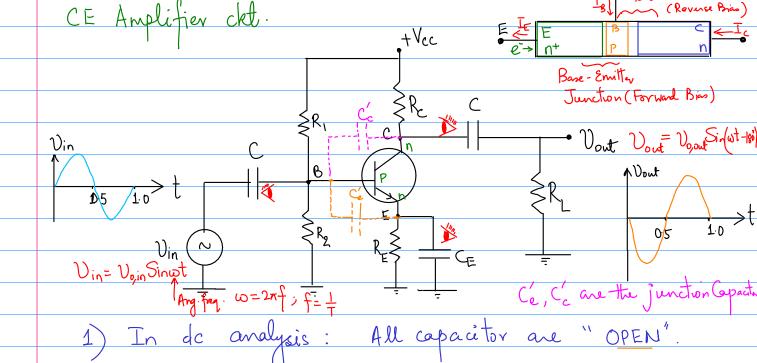


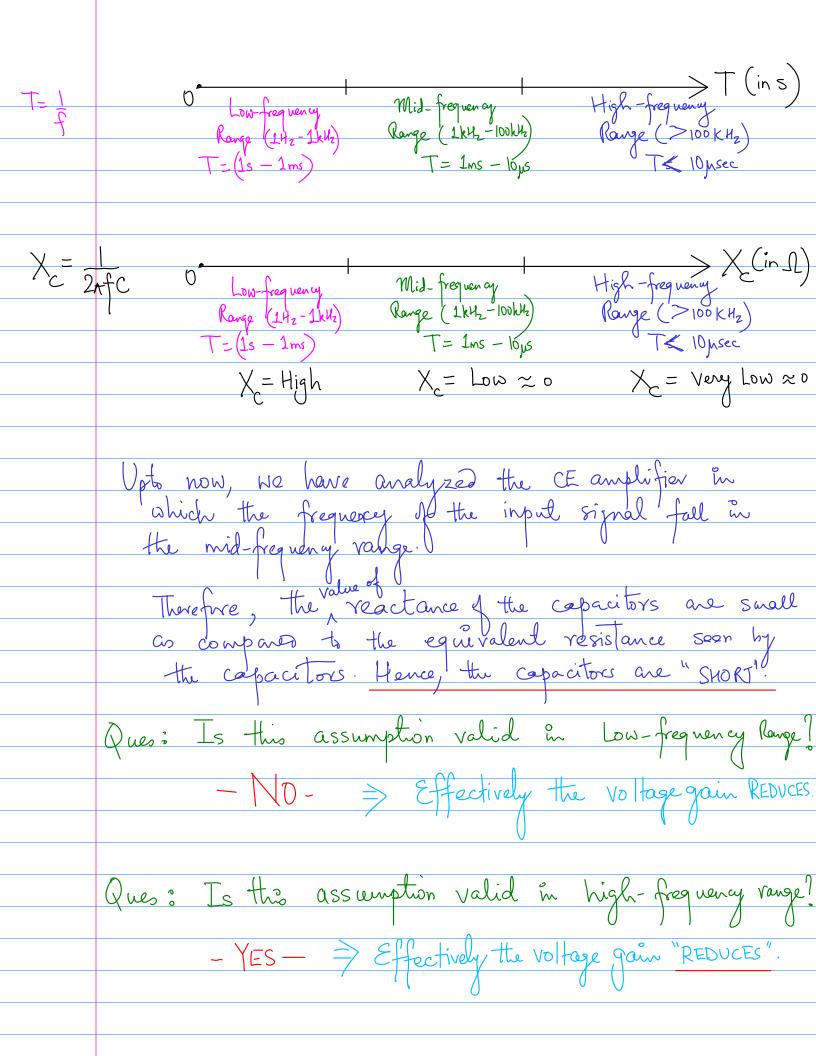
- 1. How voltage gain (Av) of the CE amplifier changes with varying the frequency of the input signal.
- 2. Representation of gain (voltage/power) in units of decibel (18)

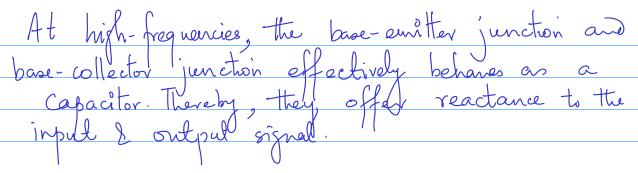


2) In ac analysis: All capacitors are "SHORT".

$$\chi = \frac{1}{\omega C} = \frac{1}{2\pi C}$$

Cow-frequency Mid-frequency High-frequency Range (1Hz-1kHz) Range (1kHz-100kHz) Range (>100 kHz)





Hence, the gain reduces.

