

Theoretical Analysis for figure 6.3.

Waveform for node A in two cycles is in red.

Waveform for mode c is in yellow.

Waveform for mode D is in purple.

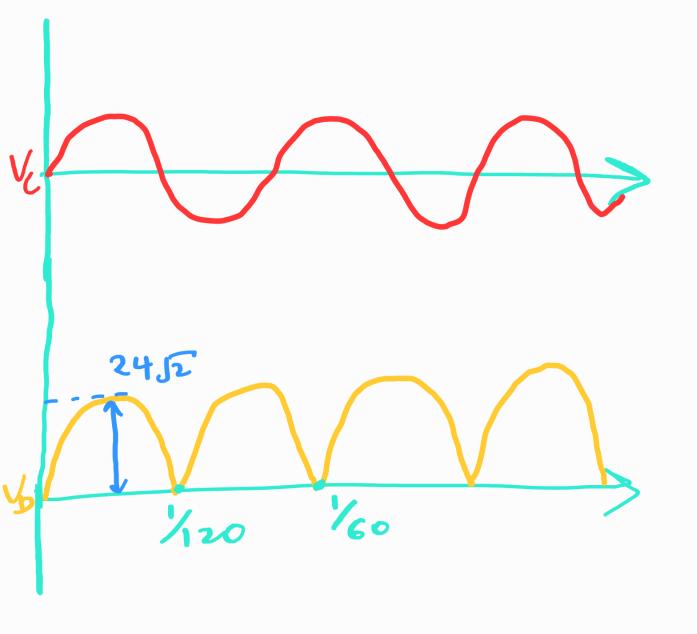
PHASE RELATIONSHIPS.

- From A to C, voltages are in phase.

- From C to D, voltages me 180° out of phase.

PART 2:

- For figure 6.4, Vout for a few cycles:



- DC Value of Vout:

Vont = 2.2452

= 67.882

= 21.6 V

- Ripple frequency:

= 1/20 = 120 Hz