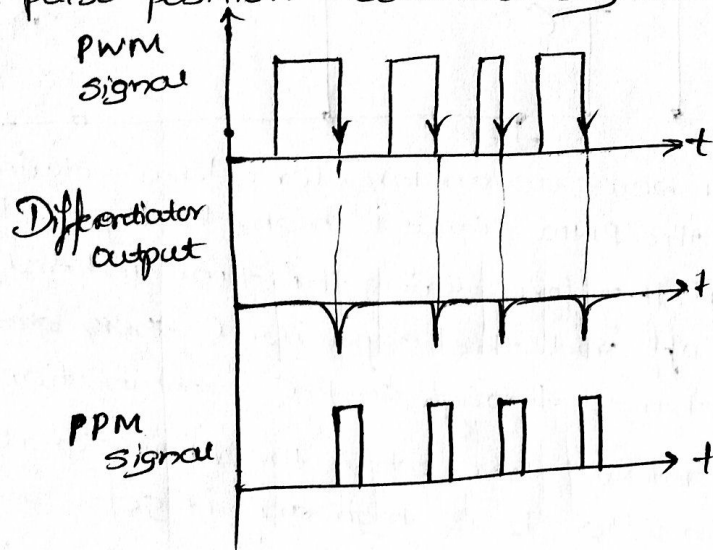
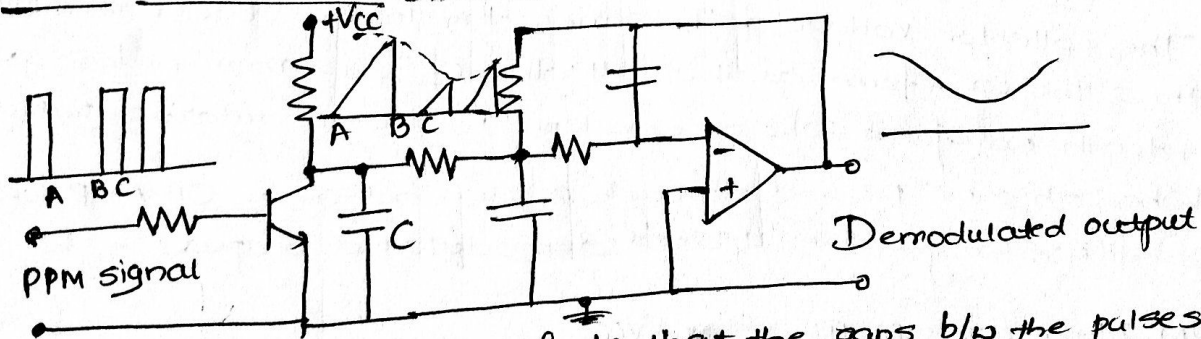


- * The PWM signal is applied to pin no. 2 through the diode & R-C combination. Thus the input to pin no. 2 is the negative trigger pulses which corresponds to the trailing edges of the PWM waveform.
- * The 555 timer is working in a monostable mode and the width of the pulse is constant (governed by an R-C combination).
- * The negative trigger pulses decides the starting time of the output pulses and thus, the output at pin no. 3 is the desired pulse position modulated signal.



PPM DEMODULATOR CIRCUIT



- * This circuit utilizes the facts that the gaps b/w the pulses of a PPM sig contain the information regarding the modulating sig.
- * During the gaps A-B b/w the pulses, the transmitter is cut off and the capacitor C gets charged through R-C combination.
- * During the pulse duration B-C, the capacitor discharges through transmitter, and the collector voltage becomes low.
- * Thus the waveform at the collector is approximately a saw-tooth waveform whose envelope is the modulating signal.
- * When this is passed through a second order OP-Amp low pass filter, we get the desired demodulated output.