



GOVERNMENT COLLEGE OF TECHNOLOGY-COIMBATORE

Proposal: Design and Analysis RC phase shift oscillator using Op- Amps

PRESENTED BY

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- ABSTRACT :** R-C phase shift oscillator using op-amp uses an op-amp in inverting amplifier mode. Thus it introduces the phase shift of 180° between input and output. The feedback network consists of 3 RC sections each producing 60° phase shift. These circuits are highly stable, and the phase noise in the output will depend on the level of jitter in the amplifier circuit.

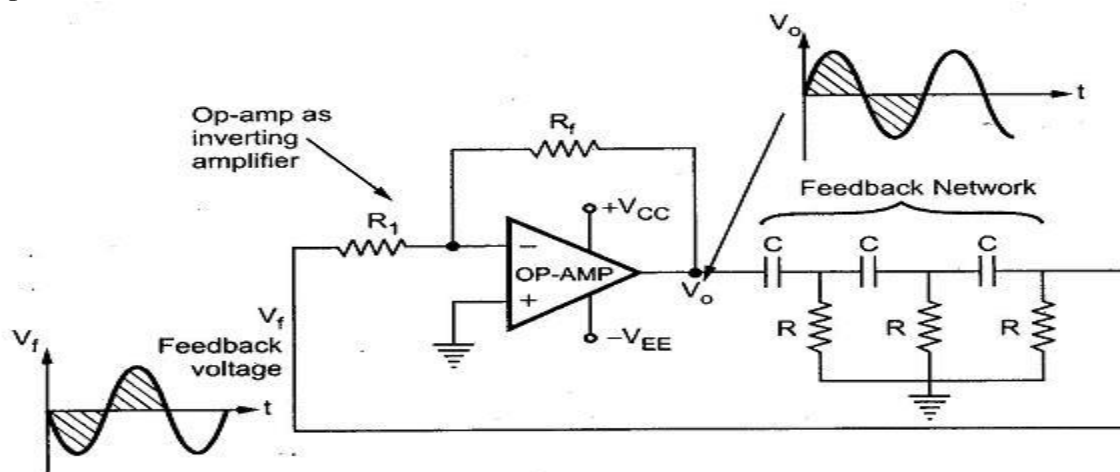


Fig. 2.92 R-C Phase shift oscillator using op-amp

REFERENCES:

- 1) https://www.researchgate.net/publication/336870328_DESIGN_AND_IMPLEMENTATION_OF_OP-AMP-RC_SINE_WAVE_OSCILLATOR
- 2) <https://resources.pcb.cadence.com/blog/2023-cadrc-phase-shift-oscillators-using-op-amps>
- 3) https://www.researchgate.net/publication/377844379_Design_a_RC_Phase_Shift_Oscillatorwith_BJT_or_Op-Amp

