UNIT-4 Lecture-5

Bistable multivibrator, Monostable multivibrator

Astable Multivibrators

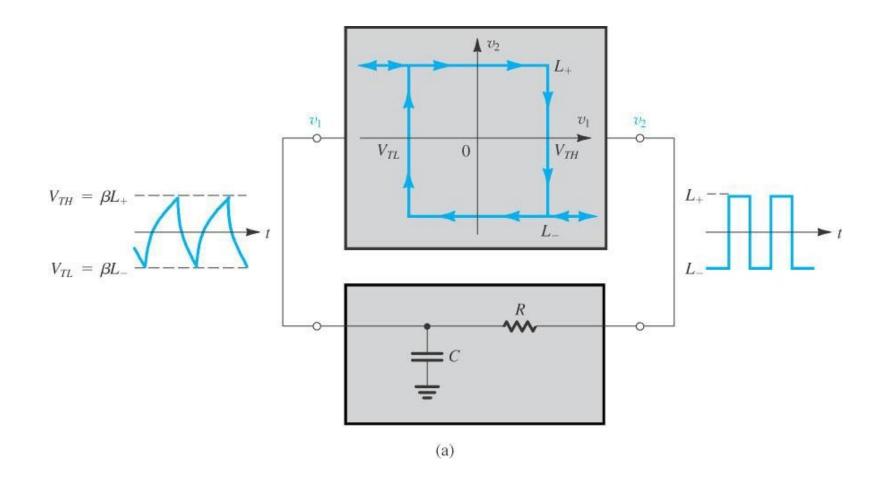


Figure (a) Connecting a bistable multivibrator with inverting transfer characteristics in a feedback loop with an RC circuit results in a square-wave generator.

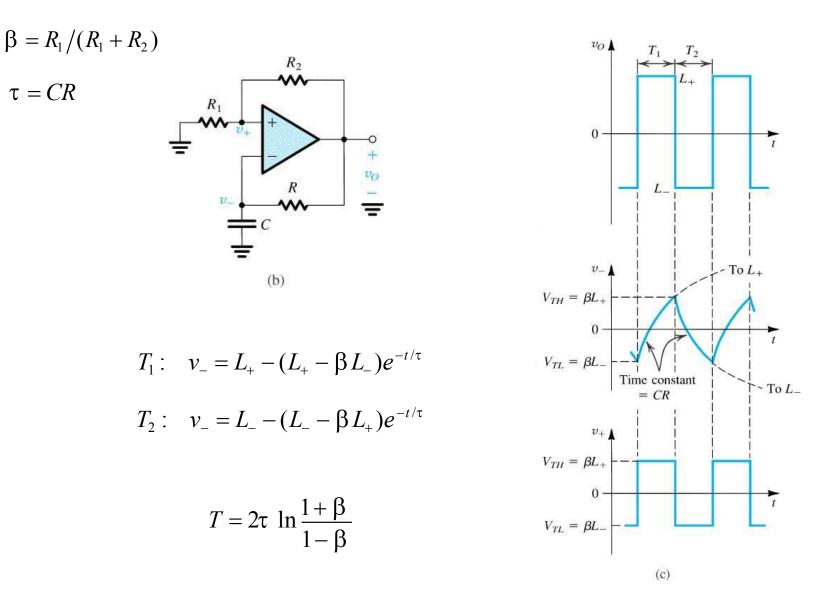
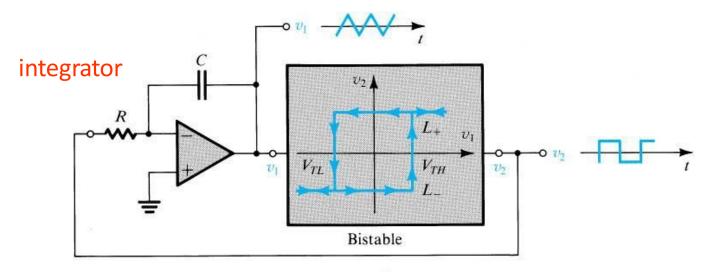


Figure (Continued) (b) The circuit obtained when the bistable multivibrator is implemented with the circuit of (a). (c) Waveforms at various nodes of the circuit in (b). This circuit is called an astable multivibrator.

Generation of Triangular Waveforms



(a)

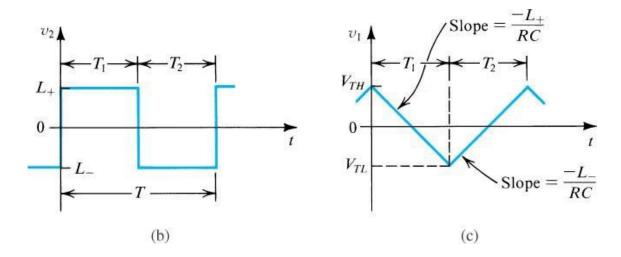


Figure A general scheme for generating triangular and square waveforms.

Monostable Multivibrators

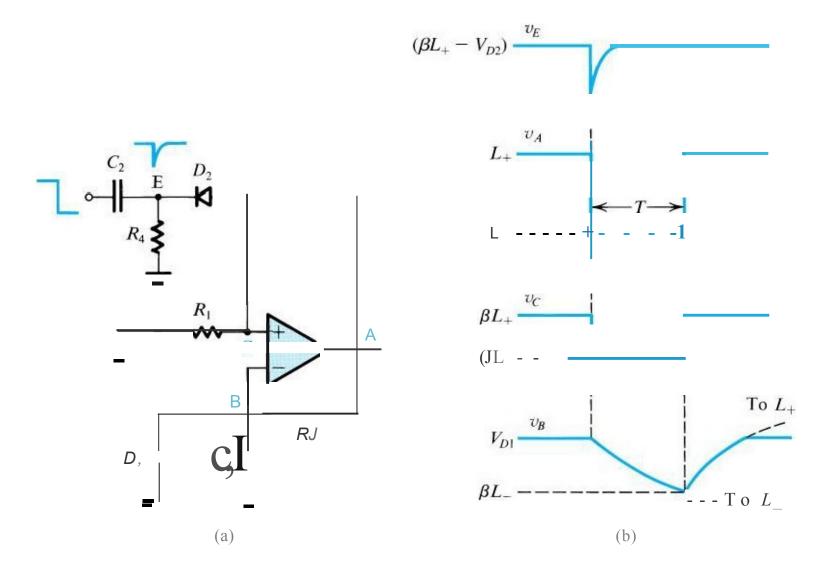


Figure (a)An op-amp monostable circuit. (b) Signal waveforms in the circuit of (a).