

## **A STUDY OF ARMSTRONG OSCILLATOR**

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### **Abstract**

An oscillator is a circuit that converts electric energy at d.c (zero frequency) to electric energy at frequency varying from a few hertz to gigahertz .It is a source of alternating voltage or current. It is a feedback amplifier that supplies its own input ie it does not require an external signal to initiate or maintain the energy conversion process. Oscillators are classified in different ways. One such type is a radio frequency oscillator like the Armstrong oscillator that, typically uses tuned LC circuits. The Armstrong oscillator leaves the LC resonant circuit alone, but connects L as the secondary winding of a transformer and feedback is provided through this transformer.In this paper, Armstrong oscillator is discussed in details.

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