

Product Code . JL-BE-10494



Experimentation of OP-AMP Characteristics

Description

Experimentation of OP-AMP Characteristics

Description:-

JLab has been divided into different blocks for the ease of user to understand the various operations of operational amplifier.

JLab enables students to study the basic functions and characteristics of operational amplifiers.

JLab are compact and user friendly learning platforms to provide a modern, portable, comprehensive and practical way to learn Technology.

JLab is provided with detailed Multimedia learning material which covers basic theory, step by step procedure to conduct the experiment and other useful information.

The op-amps are use in mathematical operations such as addition, subtraction, integration, differentiation and so on.

A Function Generator, generating Sine wave, Square wave and triangular wave, and two variable DC Supplies are provided on board.

However, an ideal operational amplifier is an extremely versatile circuit element, with many applications beyond mathematical operations and to understand and perform those application, it is necessary to have better understanding of its basic operation.

Experimentation of OP-AMP Characteristics Manufacturer, Experimentation of OP-AMP Characteristics Suppliers, Experimentation of OP-AMP Characteristics India, Experimentation

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Features:-

Functional blocks indicated on board mimic

Built in DC Power Supply

Self contained easy to operate TechBook

On board Function Generator

Compact size

Online Product Tutorial

Scope of Learning:-

Observe Op-amp as non-inverting Summer

Observe Op-amp as an Integrator

Observe Open-Loop Gain as a function of frequency Measure CMRR

Op-amp as a differential amplifier and observe its output

Observe Op-amp as I-V Converter

Op-amp gain in voltage series feedback configuration

Observe Op-amp as Inverting Scaler

Observer the functioning of voltage follower i.e. buffer

Op-amp gain in voltage shunt feedback configuration

Observe Op-amp as a non-inverting Averager

Observe Op-amp as Differentiator

Observe Op-amp as V-I Converter

Observe Op-amp as Inverting Summer

Observe Op-amp as Inverting Averager

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