

Download Operational Amplifier Characteristics And Applications

An operational amplifier (often op-amp or opamp) is a DC-coupled high-gain electronic voltage amplifier with a differential input and, usually, a single-ended output. In this configuration, an op-amp produces an output potential (relative to circuit ground) that is typically hundreds of thousands of times larger than the potential difference between its input terminals. This article illustrates some typical operational amplifier applications. A non-ideal operational amplifier's equivalent circuit has a finite input impedance, a non-zero output impedance, and a finite gain.

Application Report S 1 HANDBOOK OF OPERATIONAL AMPLIFIER APPLICATIONS
Bruce Carter and Thomas R. Brown ABSTRACT

While in the process of reviewing Texas Instruments applications notes, including those The summing amplifier is a one kind of circuit and the configuration of this circuit is based upon the standard inverting op-amp. The name of this circuit suggests the summing amplifier, that is used to combine the voltage existing on many i/ps into a single o/p voltage. - Operational Amplifier Characteristics And Applications