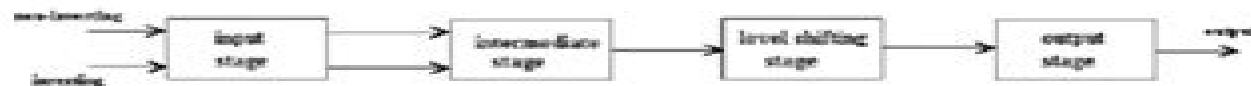# Study of OP AMPs - IC 741, IC 555-functioning, parameters and specifications
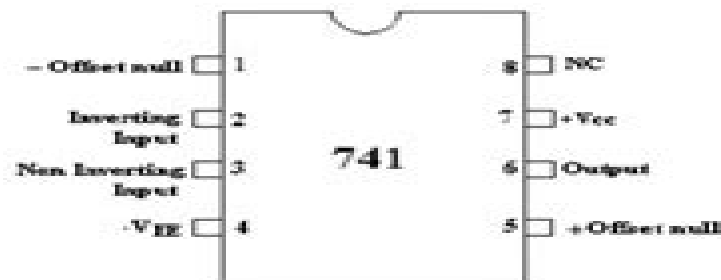
IC 741 :

General Description:

The IC 741 is a high performance monolithic operational amplifier constructed using the planer epitaxial process. High common mode voltage range and absence of latch-up tendencies make the IC 741 ideal for use as voltage follower. The high gain and wide range of operating voltage provide superior performance in integrator, summing amplifier and general feedback applications.

Block Diagram of Op-Amp:

Pin Configuration:

Prepared By SURESH BABU M
                      Asst.Prof ,ECE Dept.,AITH,   Cont No.+91-80992 28247

Digital Ic Applications Lab Manual

William D. Stanley

Digital Ic Applications Lab Manual:

ELECTRONICS LAB MANUAL Volume I, FIFTH EDITION NAVAS, K. A.,2015-09-11 This lab manual is intended to support the students of undergraduate engineering in the related fields of electronics engineering for practicing laboratory experiments It will also be useful to the undergraduate students of electrical science branches of engineering and applied science This book begins with an introduction to the electronic components and equipment and the experiments for electronics workshop Further it covers experiments for basic electronics lab electronic circuits lab and digital electronics lab A separate chapter is devoted to the simulation of electronics experiments using PSpice Each experiment has aim components and equipment required theory circuit diagram tables graphs alternate circuits answered questions and troubleshooting techniques Answered viva voce questions and solved examination questions given at the end of each experiment will be very helpful for the students The purpose of the experiments described here is to acquaint the students with Analog and digital devices Design of circuits Instruments and procedures for electronic test and measurement

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