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6.101 is an introductory experimental laboratory that explores the design, construction, and debugging of analog electronic circuits. Lectures and six laboratory projects investigate the performance characteristics of diodes, transistors, JFETs, and op-amps, including the construction of a small audio amplifier and preamplifier.

ANALOG ELECTRONIC CIRCUITS LAB MANUAL

Develop the ability to analyze and design analog electronic circuits using discrete components. Observe the amplitude and frequency responses of common amplification circuits. Design, construct, and take measurement of various analog circuits to compare experimental results in the laboratory with theoretical analysis.

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Experiments in Analog Electronics is a manual designed specifically to enhance the practical side of a contemporary course in analog electronic circuits for the second-year electrical engineering students. Each experiment contains the necessary theoretical analysis of the relevant topic beside the application circuits.

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Objective of this laboratory manual is to teach students about electronics components, characteristics of semi-conductor devices and design rectifiers, filters and amplifiers, simple electronic circuits. Author (s): Muffakham Jah College Of Engineering And Technology 89 Pages Download / View book

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Analog Electronics Lab Manual For Engineering

Analog Electronics as the name suggests deals mainly with processing of Analog signals. Analog electronic circuit design is one of the important and challenging field in Electronics. The area of analog electronics is one of the vast and complex areas in VLSI circuits design.

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It is my great pleasure to present this laboratory manual for second year engineering students for the subject of Analog Integrated Circuits keeping in view the vast coverage required for visualization of concepts of Analog Integrated circuit.

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Observe the wave form on CRO across the load resistor and measure the o/p amplitude and frequency. 4. Note down R_L , I_{DC} , V_{ODC} , V_{inac} , V_{oac} in the tabular column for different load resistances. 5. Calculate the ripple and efficiency and regulation for each load resistance. 6. Page 2/11. Read Book Analog Electronics ...

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