

Department of Physics

Physics Lab (*Phy-503 & 603*)

B. Sc. 3rd Year

List of Experiments

Section –A

Electronic, solid state and nuclear physics experiments

1. To determine e/m by Thomson method.
2. Study the C B Transistor amplifier.
3. Study the C E Transistor amplifier.
4. Study the B H curve using CRO (cathode ray oscilloscope).
5. Study the hall effect.
6. Measurement of energy band gap of Ge/Si by four probe method.
7. (a) Draw the plateau curve using GM counter.
(b) Determine the mass attenuation coefficient by GM counter

Computer Experiments

8. Compute the product of two matrices of different dimensions using DO LOOP.
9. Numerical integration by simpson 1/3 rule.
10. Fitting of straight line using least square method.
11. Using array variable, find out the average and standard deviation.
12. Compute the sum of a sine series up to three decimal places.
13. With the help of a program arrange the marks in ascending or descending order.



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