

PREFACE

This disseration work comprises five chapters in which attempt has been made to present the work carried out on the adoption of C - language programs to study the timing circuits and the ionospheric effects. The Chapter 1st contains introductory discussion on C - programming at the end of chapter C - programs for certain usual timing circuits are written. The orientation of the problem and the scope of the present work has been briefly presented.

The 2nd Chapter gives importance of accuracy, stability and reproducibility of timing circuits. Importance of time and time measurement is discussed. Finally, attempt is made to study ionospheric effects of timing circuit.

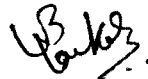
In the Chapter - 3 brief outline of the history of the study of the inosphere is given.

Chapter - 4 accounts a detailed discussion on the theory of the propagation of radiowave in a horizonatally stratified inosphere.

Chapter - 5 includes results and discussion with help of data, graphs, tables and formulae, etc. Finally findings of the analysis are stated along with conlcusions and a summary.

Place : Kolhapur.

Date :



Mrs.Lonkar U.B.

Research students