

ACKNOWLEDGEMENT

The author is indebted to Dr.S.P.Pandya for introducing him to the subject, for his guidance and helpful discussions during the progress of the work. He would also like to record his indebtedness to his colleagues Mr.V.K.Thankappan, Mr.Y.R.Waghmare and Mr.V.L.Narsimham for their kind co-operation and useful discussions.

He would like to express his gratitude to Professor K.R.Ramanathan for having extended to him the hospitality of the Physical Research Laboratory. His thanks are also due to Professor N.S.Pandya for his encouragement and interest during the course of this work.

Finally, it is a pleasure to acknowledge the award of Research Scholarship by the M.S. University of Baroda, Baroda, during the work for the thesis.