STATE AUGMENTATION APPROACH TO SMOOTHING PROBLEMS

by

K.K. BISWAS

Thesis submitted in partial fulfilment
of the requirements for the degree of

DOCTOR OF PHILOSOPY
in
ELECTRICAL ENGINEERING

to

INDIAN INSTITUTE OF TECHNOLOGY, DELHI
NEW DELHI

1973

PREFACE

The thesis describes the results of investigations carried out by the author in the area of Estimation Theory over the period September 1970 to November 1972 at the Indian Institute of Technology, Delhi. The author would like to express his deep sense of gratitude to Professor A.K.Mahalanabis of Electrical Engineering Department for his active help all through the progress of this study. He is also indebted to Professor S.C. Dutta Roy, ex-Head of Electrical Engineering Department for his interest and encouragement. He would like to thank his co-researchers, particularly Mr. S.R. Atre and Mr. K.L.S.Sharma, for many helpful discussions. Thanks are also due to the authorities of the Indian Institute of Technology, Delhi and the Council of Scientific and Industrial Research for providing with financial assistance during the tenure of the research fellowship.

New Delhi,
April 18, 1973

K.K.Biswas

CONTENTS

SECTION PAGE

SECTION PAGE