KALMAN FILTER BIBLIOGRAPHY: AGRICULTURE, BIOLOGY, AND MEDICINE

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ABSTRACT

This bibliography on the Kalman filter was obtained from the Cornell University Library Resources computer network. The four indexes used were Agricola, Biosis pre-1993, Biosis post-1992, and CAB. The references to Kalman filtering found in these indexes are listed together as one bibliography in Section 2 of the paper. Identification of content for each citation is listed after the reference. The Current Index in Statistics was used to obtain the bibliography given in Section 3 . By not combining the Current Index with the others, it is possible to observe the completeness of the Current Index relative to the others. References in the physical sciences fields for the most part are not included in this bibliography unless they appeared in these indexes. References on applications for the most part come from the fields of agriculture, biology, and medicine.

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1. INTRODUCTION

The following indices from the Cornell University Gateway Library Resources were used to compile this bibliography of literature citations involving use of the Kalman filter statistical procedure for describing the present or future state of a time process or of added information:

Agricola--Citations and abstracts to literature on agriculture and related topics; over 1,000 journals and other series as well as books, conference proceedings and research reports. 43 citations were found.

Biosis 1969-1992 and 1993 to present—Citations and abstracts to literature on biology, medicine, and related subjects from over 9,000 journals and monographs. 92 citations were found in the 1969-1992 Index and 64 in the 1993-present Index.

CAB—A comprehensive file of agricultural and biological information from 1972 to the present. 82 citations were found.

The following classes are presented to identify the literature citations given in the next section:

Class	Symbol
Agriculture - animal	AGRAN
Agriculture – plants	AGRPL
Agriculture – soils	AGRSO
Biology	BIOLO
Biotechnology	BIOTEC
Chemistry	CHEM
Economics	ECON
Environment	ENVIR
Fisheries	FISH
Forestry	FOR
Hydrology	HYD
Medicine	MED
Meteorology	METER
Pharmacology	PHARM
Kalman filter theory and new developments	KFTDN

The classification is given at the end of the reference citation.

The Current Index to Statistics was found on the web page of the Department of Statistical Sciences. The search for the keyword Kalman filter was used to obtain the literature citations in Section 3. No classification of these citation was made as was done in Section 2.

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