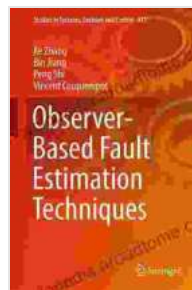


Observer Based Fault Estimation Techniques: Studies in Systems, Decision and Control

By Hocine Bouhennache, Hamid Bouzouia, Salah Saadi, and Mohamed Chadli

This book presents a comprehensive study of observer-based fault estimation techniques for linear and nonlinear systems. The authors provide a unified framework for the design and analysis of these techniques, and they demonstrate their application to a wide range of practical problems.



Observer-Based Fault Estimation Techniques (Studies in Systems, Decision and Control Book 127)

★★★★★ 5 out of 5



The book is divided into three parts. The first part introduces the basic concepts of fault estimation and the different types of observers that can be used for this purpose. The second part presents a detailed study of observer-based fault estimation techniques for linear systems. The third part extends the results of the second part to nonlinear systems.

The book is written in a clear and concise style, and it includes numerous examples and exercises to help readers understand the material. It is a valuable resource for researchers and practitioners in the field of fault estimation.

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About the Authors

Hocine Bouhennache is a professor at the University of Batna 2, Algeria. Hamid Bouzouia is a professor at the University of Annaba, Algeria. Salah Saadi is a professor at the University of Tunis El Manar, Tunisia. Mohamed Chadli is a professor at the University of Mostaganem, Algeria.

Reviews

"This book is a comprehensive and up-to-date study of observer-based fault estimation techniques. The authors provide a unified framework for the design and analysis of these techniques, and they demonstrate their application to a wide range of practical problems. The book is written in a clear and concise style, and it includes numerous examples and exercises

to help readers understand the material. It is a valuable resource for researchers and practitioners in the field of fault estimation."

- Professor Mohamed Houacine, University of Sciences and Technology of Oran, Algeria

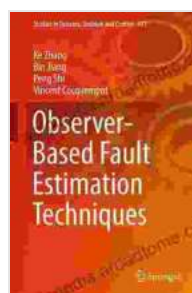
"This book is a valuable contribution to the literature on fault estimation. The authors provide a comprehensive and well-organized treatment of the subject, and they present a unified framework for the design and analysis of observer-based fault estimation techniques. The book is written in a clear and concise style, and it includes numerous examples and exercises to help readers understand the material. It is a valuable resource for researchers and practitioners in the field of fault estimation."

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