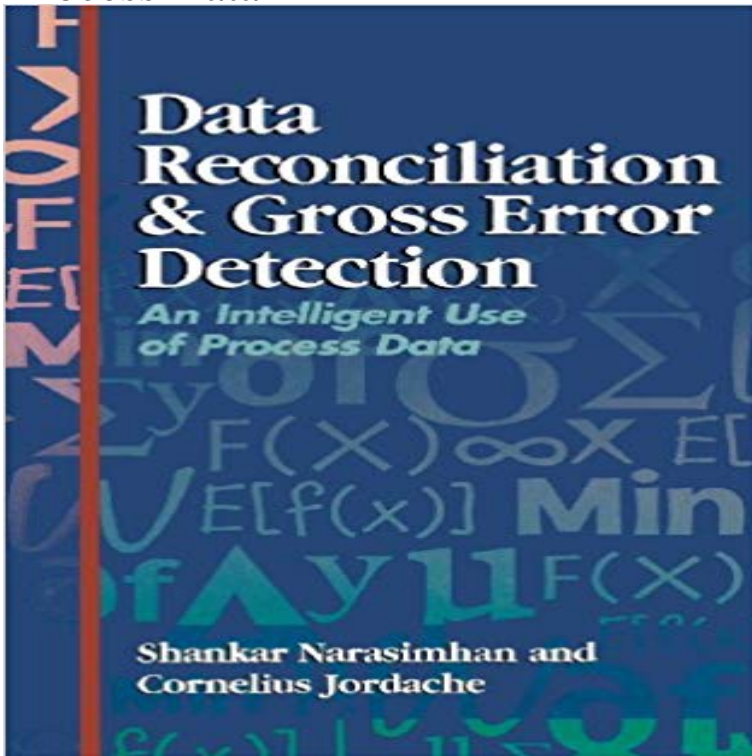


Data Reconciliation and Gross Error Detection: An Intelligent Use of Process Data



This book provides a systematic and comprehensive treatment of the variety of methods available for applying data reconciliation techniques. Data filtering, data compression and the impact of measurement selection on data reconciliation are also exhaustively explained. Data errors can cause big problems in any process plant or refinery. Process measurements can be corrupted by power supply fluctuations, network transmission and signal conversion noise, analog input filtering, changes in ambient conditions, instrument malfunctioning, miscalibration, and the wear and corrosion of sensors, among other factors. Here is a book that helps you detect, analyze, solve, and avoid the data acquisition problems that can rob plants of peak performance. This indispensable volume provides crucial insights into data reconciliation and gross error detection techniques that are essential for optimal process control and information systems. This book is an invaluable tool for engineers and managers faced with the selection and implementation of data reconciliation software, or for those developing such software. For industrial personnel and students, *Data Reconciliation and Gross Error Detection* is the ultimate reference.

Data Reconciliation and Gross Error Detection: An Intelligent Use of Process Data: Dr. Shankar Narasimhan Ph.D. (Ch.E.), Dr. Cornelius Jordache Ph.D. (Ch.E): *Data Reconciliation and Gross Error Detection: An Intelligent Use of Process Data*. ISBN-10: 0884152553 ISBN-13: 9780884152552 Pub.*Data Reconciliation and Gross Error Detection: An Intelligent Use of Process Data* eBook: Dr. Shankar Narasimhan Ph.D. (Ch.E.): : Kindle Store. Random errors can be neither predicted nor accurately explained. Analog and digital filters have been widely used to reduce random errors (high-frequency noise) in process values. Gross errors are associated with sensor faults they significantly affect the accuracy of any industrial application using process data. *Data Reconciliation and Gross Error Detection: An Intelligent Use of Process Data* eBook: Dr. Shankar Narasimhan Ph.D. (Ch.E.): : Kindle Store. Booktopia has *Data Reconciliation and Gross Error Detection, An Intelligent Use of Process Data* by Shankar Narasimhan. Buy a discounted Hardcover of *Data* explicitly uses process redundancy model and obtains estimates which (2013) applied the data reconciliation and gross error detection . Narasimhan S., Jordache C., 2000, *Data reconciliation & gross error detection: an intelligent use of*. For industrial personnel and students, *Data Reconciliation and Gross Error* *Data Reconciliation & Gross Error Detection: An Intelligent Use of Process Data*. *Data Reconciliation and Gross Error Detection in Chemical Process*

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