1. Record Nr. UNINA9911019117803321

Autore	Zall Robert R
Titolo	Managing food industry waste [[electronic resource]] : common sense methods for food processors / / Robert R. Zall
Pubbl/distr/stampa	Ames, Iowa, : Blackwell Pub., 2004
ISBN	0-470-75253-X 1-282-37127-4 9786612371271 0-470-75252-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (199 p.)
Disciplina	363.728 664.00286
Soggetti	Food industry and trade - Waste disposal
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Introduction : waste control philosophy -- Who is watching the store? -- Why waste flows need to be inventoried -- In-plant monitoring -- How to carry out a management scheme -- Product loss and dollar equivalents -- Improving the system -- Management tools -- Converting costs into credits -- Economics of managing food-processing waste -- Training -- Unconventional techniques to deal with waste recovery or treatment schemes -- Layman's overview of treating waste, wastewater, and solid waste -- How to seek and gain help to solve waste problems -- Self-test.
Sommario/riassunto	In Managing Food Industry Waste: Common Sense Methods for Food Processors, waste management expert Robert Zall shares his philosophy and techniques for monitoring and accounting for food processing wastage. The text shows food processing managers how much of the waste now being generated can become a managed resource for producing economic credits. Drawing on his forty years of experience in managing waste, Zall explains how to identify the actual losses sent to drains and sewage treatment plants, how to pinpoint which unit processes generate these losses, and how to uncover hidden loss

2. Record Nr. UNINA9910300132503321

Autore	Wang Gengsheng
Titolo	Time Optimal Control of Evolution Equations / / by Gengsheng Wang, Lijuan Wang, Yashan Xu, Yubiao Zhang
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Birkhäuser, , 2018
ISBN	3-319-95363-X
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (344 pages)
Collana	PNLDE Subseries in Control ; ; 92
Disciplina	515.353
Soggetti	System theory Automatic control Engineering mathematics Systems Theory, Control Control and Systems Theory Engineering Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- Mathematical Preliminaries -- Time Optimal Control Problems -- Existence of Admissible Groups and Optimal Groups -- Maximum Principle of Optimal Groups -- Equivalence of Several Kinds of Optimal Controls -- Bang-Bang Properties of Optimal Groups -- References.
Sommario/riassunto	This monograph develops a framework for time-optimal control problems, focusing on minimal and maximal time-optimal controls for linear-controlled evolution equations. Its use in optimal control provides a welcome update to Fattorini’s work on time-optimal and norm-optimal control problems. By discussing the best way of representing various control problems and equivalence among them, this systematic study gives readers the tools they need to solve practical problems in control. After introducing preliminaries in functional analysis, evolution equations, and controllability and observability estimates, the authors present their time-optimal control framework, which consists of four elements: a controlled system, a control constraint set, a starting set, and an ending set. From there,

they use their framework to address areas of recent development in time-optimal control, including the existence of admissible controls and optimal controls, Pontryagin's maximum principle for optimal controls, the equivalence of different optimal control problems, and bang-bang properties. This monograph will appeal to researchers and graduate students in time-optimal control theory, as well as related areas of controllability and dynamic programming. For ease of reference, the text itself is self-contained on the topic of time-optimal control. Frequent examples throughout clarify the applications of theorems and definitions, although experience with functional analysis and differential equations will be useful.