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   Autore   Janier Mathilde

   Titolo   Argument mining : linguistic foundations / / Mathilde Janier, Patrick
                       Saint-Dizier

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   Edizione   [1st edition]

   Descrizione fisica 1 online resource (207 pages)

   Disciplina   025.524

   Soggetti   Information retrieval
                       Natural language processing (Computer science)

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Sommario/riassunto This book is an introduction to the linguistic concepts of
                       argumentation relevant for argument mining, an important research
                       and development activity which can be viewed as a highly complex
                       form of information retrieval, requiring high-level natural language
                       processing technology. While the first four chapters develop the
                       linguistic and conceptual aspects of argument expression, the last four
                       are devoted to their application to argument mining. These chapters
                       investigate the facets of argument annotation, as well as argument
                       mining system architectures and evaluation. How annotations may be
                       used to develop linguistic data and how to train learning algorithms is
                       outlined. A simple implementation is then proposed. The book ends
                       with an analysis of non-verbal argumentative discourse. Argument
                       Mining is an introductory book for engineers or students of linguistics,
                       artificial intelligence and natural language processing. Most, if not all,
                       the concepts of argumentation crucial for argument mining are
                       carefully introduced and illustrated in a simple manner.

2.	Record Nr.	UNINA9910831171703321
	Autore	Ingham John
	Titolo	Chemical Engineering Dynamics [[electronic resource]] : Modelling with PC Simulation
	Pubbl/distr/stampa	Hoboken, : Wiley, 2008
	ISBN	1-281-75883-3
		9786611758837
		3-527-61601-2
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	Descrizione fisica	1 online resource (670 p.)
	Altri autori (Persone)	DunnIrving J
		HeinzleElmar
		PrenosilJiri E
	Disciplina	660.28
		660.28155362
	Soggetti	Bond graphs
		Chemical engineering -- Computer simulation
		Chemical engineering -- Mathematical models
		Thermodynamics
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di contenuto	Chemical Engineering Dynamics; Preface; Organisation of the Book; Acknowledgements; Table of Contents; Nomenclature for Chapters 1 to 4; 1 Basic Concepts; 1.1 Modelling Fundamentals; 1.1.1 Chemical Engineering Modelling; 1.1.2 General Aspects of the Modelling Approach; 1.1.3 General Modelling Procedure; 1.2 Formulation of Dynamic Models; 1.2.1 Material Balance Equations; 1.2.2 Balancing Procedures; 1.2.2.1 Case A . Continuous Stirred-Tank Reactor; 1.2.2.2 Case B . Tubular Reactor; 1.2.2.3 Case C . Coffee Percolator; 1.2.3 Total Material Balances; 1.2.3.1 Case A . Tank Drainage 1.2.4 Component Balances1.2.4.1 Case A . Waste Holding Tank; 1.2.4.2 Case B . Extraction from a Solid by a Solvent; 1.2.5 Energy Balancing; 1.2.5.1 Case A . Continuous Heating in an Agitated Tank; 1.2.5.2 Case B . Heating in a Filling Tank; 1.2.5.3 Case C . Parallel Reaction in a Semi-Continuous Reactor with Large Temperature Changes; 1.2.6

Momentum Balances; 1.2.7 Dimensionless Model Equations; 1.2.7.1 Case A . Continuous Stirred-Tank Reactor (CSTR); 1.2.7.2 Case B . Gas-Liquid Mass Transfer to a Continuous Tank Reactor with Chemical Reaction; 1.3 Chemical Kinetics
1.3.1 Rate of Chemical Reaction1.3.2 Reaction Rate Constant; 1.3.3 Heats of Reaction; 1.3.4 Chemical Equilibrium and Temperature; 1.3.5 Yield, Conversion and Selectivity; 1.4 Microbial Growth Kinetics; 1.5 Mass Transfer Theory; 1.5.1 Stagewise and Differential Mass Transfer Contacting; 1.5.2 Phase Equilibria; 1.5.3 Interphase Mass Transfer; 2 Process Dynamics Fundamentals; 2.1 Signal and Process Dynamics; 2.1.1 Measurement and Process Response; 2.1.1.1 First-Order Response to an Input Step-Change Disturbance; 2.1.1.2 Case A . Concentration Response of a Continuous Flow, Stirred Tank
2.1.1.3 Case B . Concentration Response in a Continuous Stirred Tank with Chemical Reaction2.1.1.4 Case C . Response of a Temperature Measuring Element; 2.1.1.5 Case D . Measurement Lag for Concentration in a Batch Reactor; 2.1.2 Higher-order Responses; 2.1.2.1 Case A . Multiple Tanks in Series; 2.1.2.2 Case B . Response of a Second-Order Temperature Measuring Element; 2.1.3 Pure Time Delay; 2.1.4 Transfer Function Representation; 2.2 Time Constants; 2.2.1 Common Time Constants; 2.2.1.1 Flow Phenomena; 2.2.1.2 Diffusion and Dispersion; 2.2.1.3 Chemical Reaction; 2.2.1.4 Mass Transfer
2.2.1.5 Heat Transfer2.2.2 Application of Time Constants; 2.3 Fundamentals of Automatic Control; 2.3.1 Basic Feedback Control; 2.3.2 Types of Controller Action; 2.3.2.1 On/Off Control; 2.3.2.2 Proportional-Integral-Derivative (PID) Control; 2.3.2.3 Case A . Operation of a Proportional Temperature Controller; 2.3.3 Controller Tuning; 2.3.3.1 Trial and Error Method; 2.3.3.2 Ziegler-Nichols Method; 2.3.3.3 Cohen-Coon Controller Settings; 2.3.3.4 Ultimate Gain Method; 2.3.3.5 Time Integral Criteria; 2.3.4 Advanced Control Strategies; 2.3.4.1 Cascade Control; 2.3.4.2 Feedforward Control
2.3.4.3 Adaptive Control

Sommario/riassunto	In this book, the reader is guided through the complex study of dynamic chemical engineering systems by the unique combination of a simplified presentation of the fundamental theory (Part 1) and direct hands-on computer experimentation with the provision of 85 accompanying computer-based simulation examples (Part 2) supplied on diskette.The ISIM digital simulation language is very simple to use and its powerful interactive nature enables the readers to create their own simulations, based on their own specific problems. This powerful dynamic ISIM software is ready to run on any DOS pers