1. Record Nr. UNINA9910507199003321

Autore	Vollmuth David Willi
Titolo	Nachhaltigkeit und der Mittelwald : Eine interdisziplinare vegetationskundlich-forsthistorische Analyse - oder: Die pflanzensoziologisch-naturschutzfachlichen Folgen von Mythen, Macht und Diffamierungen / / David Willi Vollmuth
Pubbl/distr/stampa	[Place of publication not identified] : , : Universitatsverlag Gottingen, , 2021 ©2021
Descrizione fisica	1 online resource (256 pages)
Disciplina	338.927
Soggetti	Sustainability
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	Knowing the history and context of a piece of landscape is an unfortunately often neglected necessity for planning disciplines (including conservation and forestry). Just as a doctor can only suggest an appropriate therapy if he knows the antecedents of the disease, the possible or appropriate changes to, for example, a forest can only be seriously considered if the historical, economic and social causes for its creation and current state are described and understood. The present work undertakes this comprehensive description for the remaining oak-hornbeam forest relicts, and widespread beech forests near Gottingen. Since vegetation science is understood here as an art of telling the story(s) and current background of an object, the vegetation study of these forests, however, only forms the basis for telling a multifaceted story. This story focuses on the historical coppice with standards forests, the struggle for their conversion into beech high forests, and the underlying sustainability views of various actors. Methodically, the author draws on current, archival and historical-contemporary literature from over 400 years. The result is a closely interwoven web consisting of: the perfect integration of coppice with standards into the historical economy, numerous competing notions of

	sustainability and their implementation in the context of sovereign power claims, as well as the resulting silvicultural change and the defamation of the coppice with standards forest. In the process, the creation and aftermath of myths that have never been questioned internally in forestry to this day, and the short-sightedness of current nature conservation are also uncovered.The overall result is not only the "disenchantment" of the "beautiful oak-hornbeam forest", but also that of the currently predominant beech forest on limestone - a forest type that, thanks to its abundance of colourful spring geophytes, has been called not only pretty, but also "natural". However, interdisciplinary observation suggests that the species richness of these forests is in part the consequence of the historical, formerly widespread coppice with standards forestry, which "persists" in the herb layer for a long time, but will also disappear in the future.

2.	Record Nr.	UNINA9910437873603321
	Titolo	Surveys in differential-algebraic equations I / / [edited by] Achim Ilchmann, Timo Reis
	Pubbl/distr/stampa	New York, : Springer, 2013
	ISBN	3-642-34928-5
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (vii, 231 pages) : illustrations
	Collana	Differential-algebraic equations forum
	Altri autori (Persone)	IlchmannAchim ReisTimo
	Disciplina	512.56
	Soggetti	Differential equations Differential-algebraic equations
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Surveys in Differential-Algebraic Equations I; Preface; Contents; Controllability of Linear Differential-Algebraic Systems-A Survey; 1 Introduction; 2 Controllability Concepts, p. 5; 3 Solutions, Relations and Normal Forms, p. 15; 4 Algebraic Criteria, p. 30; 5 Feedback, Stability and Autonomous System p. 36; 6 Invariant Subspaces, p. 46; 7 Kalman Decomposition, p. 50; 2 Controllability Concepts; 3 Solutions, Relations

and Normal Forms; 3.1 System and Feedback Equivalence; 3.2 A Normal Form Under System Equivalence; 3.3 A Normal Form under Feedback Equivalence; 4 Criteria of Hautus Type
5 Feedback, Stability and Autonomous Systems5.1 Stabilizability, Autonomy and Stability; 5.2 Stabilization by Feedback; 5.3 Control in the Behavioral Sense; 6 Invariant Subspaces; 7 Kalman Decomposition; References; Robust Stability of Differential-Algebraic Equations; 1 Introduction; 2 Robust Stability of Linear Time-Invariant DAEs; 2.1 Stability Radii for Linear Time-Invariant DAEs; 2.2 Dependence of Stability Radii on the Data; 3 Robust Stability of Linear Time-Varying DAEs; 3.1 Stability Radii for Linear Time-Varying DAEs; 3.2 Dependence of Stability Radii on the Data; 4 Discussion
ReferencesDAEs in Circuit Modelling: A Survey; 1 Introduction; 2 Model Families for Classical Circuits; 2.1 Graph-Theoretic Results; 2.2 Some Preliminaries from Circuit Theory; Kirchhoff Laws; Component Relations; Topologically Degenerate Configurations; Example; 2.3 Nodal Analysis. MNA; 2.4 Branch-Oriented Models, Tree-Based Formulations and Hybrid Analysis; Tree-Based Models; Hybrid Analysis; 2.5 Multiport Model and Hessenberg Form; 2.6 Loop Analysis; 2.7 DAE Form of the Models; 3 The Index of DAE Circuit Models; 3.1 On the Index Notion; The Tractability Index; Other Index Notions Solvability3.2 Nodal Models; 3.2.1 Passive Problems; 3.2.2 Low Index Configurations in the Non-passive Context; 3.3 Branch-Oriented and Hybrid Models; 3.3.1 Branch-Oriented Models; 3.3.2 Hybrid Models of Passive Circuits; 3.3.3 Hybrid Models of Non-passive Circuits; 3.4 Example; MNA; Hybrid Analysis; 4 Memristors and Mem-Devices; 4.1 Memristors; 4.2 Memcapacitors, Meminductors and Higher Order Devices; 4.3 DAE Models of Circuits with Mem-Devices; 5 Dynamical Aspects; 5.1 The State Formulation Problem; 5.2 Singularities and Impasse Phenomena; 5.3 Qualitative Properties in the Semistate Context
6 Other Topics in DAE-Based Circuit ModellingModel Reduction; Coupled Problems; Numerics in Circuit Simulation via DAE Models; Other Topics; 7 Concluding Remarks; References; Solution Concepts for Linear DAEs: A Survey; 1 Introduction; 2 Classical Solutions; 2.1 The Kronecker and Weierstraß Canonical Forms; 2.2 Solution Formulas Based on the Wong Sequences: General Case; 2.3 Existence and Uniqueness of Solutions with Respect to In- and Outputs; 2.4 Solution Formulas Based on the Wong Sequences: Regular Case; 2.5 The Drazin Inverse Solution Formula; 2.6 Time-Varying DAEs
3 Inconsistent Initial Values and Distributional Solutions

Sommario/riassunto

The need for a rigorous mathematical theory for Differential-Algebraic Equations (DAEs) has its roots in the widespread applications of controlled dynamical systems, especially in mechanical and electrical engineering. Due to the strong relation to (ordinary) differential equations, the literature for DAEs mainly started out from introductory textbooks. As such, the present monograph is new in the sense that it comprises survey articles on various fields of DAEs, providing reviews, presentations of the current state of research and new concepts in - Controllability for linear DAEs - Port-Hamiltonian differential-algebraic systems - Robustness of DAEs - Solution concepts for DAEs - DAEs in circuit modeling. The results in the individual chapters are presented in an accessible style, making this book suitable not only for active researchers but also for graduate students (with a good knowledge of the basic principles of DAEs) for self-study.

3.

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Autore	ROST, Michael
Titolo	Listening in language learning / Michael Rost
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia