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. Odbor poznatkového manažmentu
Akademická knižnica

SPRIEVODCA DATABÁZAMI

Referex (Engineering Village)



Tento projekt je realizovaný na základe podpory operačného programu
Výskum a vývoj financovaného z Európskeho fondu regionálneho rozvoja

Táto publikácia bola vytvorená realizáciou projektu Centrum poznatkovej organizácie duševného vlastníctva, ITMS 26220220054 na základe podpory operačného programu Výskum a vývoj financovaného z Európskeho fondu regionálneho rozvoja.

Manuál je súčasťou kolekcie manuálov a sprievodcov databázami zameranej na oblasť duševného vlastníctva.

Náplň kolekcie:

Manuál základných pojmov z oblasti duševného vlastníctva

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Manuál patentovej legislatívy

Zoznam patentovej literatúry v akademickej knižnici a prehľad voľne dostupných patentových databáz

Sprievodca databázami

Engineering Village

Chimica

Chemical Business NewsBase

EnCompassLIT

EI Patents

Referex

SAGE Journals Online

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Information Science and Marketing

Intellectual Property, Psychology and Sociology

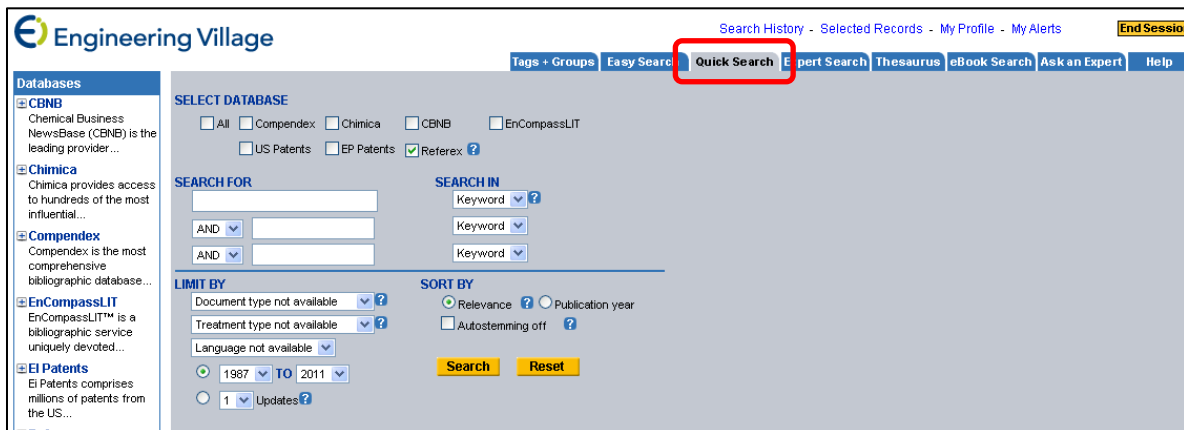
Management and Organisation Studies, Education

Research Methods, Methodology and Evaluation

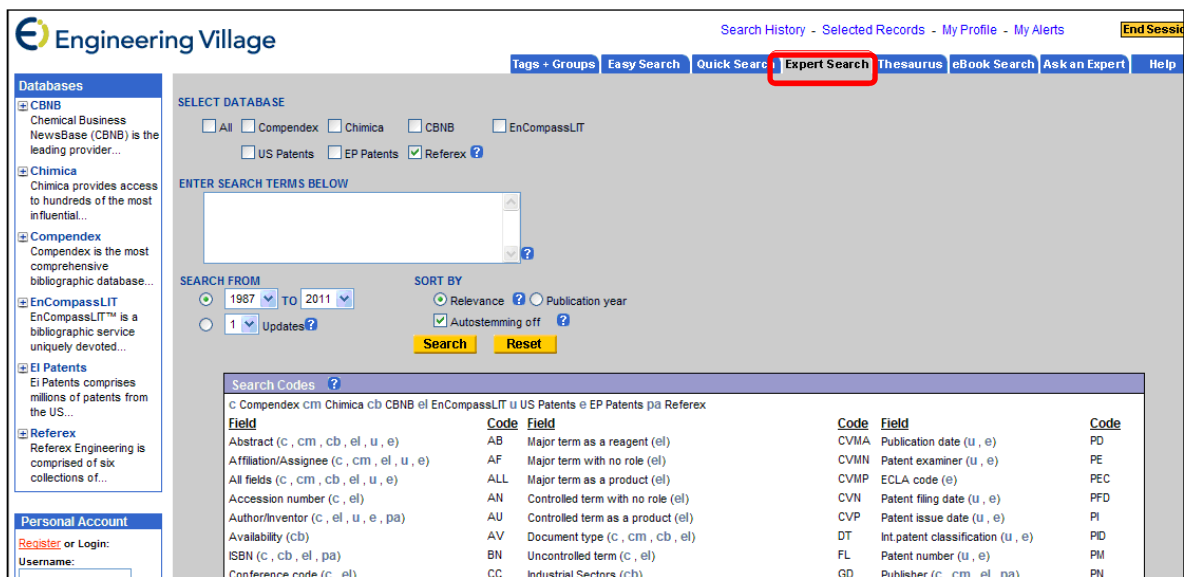
Referex

Databázu tvorí zbierka 6 kolekcií zložených z odborne zameraných plnotextových elektronických kníh. Jednotlivé kolekcie sú napríklad z oblasti chemického priemyslu, petrochemického priemyslu a procesného inžinierstva, sietí a bezpečnosti alebo materiálov a strojárstva. Databáza neponúka možnosť vyhľadávania prostredníctvom indexov, ale rýchle a expertné vyhľadávanie alebo vyhľadávanie elektronických kníh.

Rýchle vyhľadávanie



Expertné vyhľadávanie



Field	Code	Field	Code	Field	Code
Abstract (c, cm, cb, el, u, e)	AB	Major term as a reagent (el)	CVMA	Publication date (u, e)	PD
Affiliation/Assignee (c, cm, el, u, e)	AF	Major term with no role (el)	CVMN	Patent examiner (u, e)	PE
All fields (c, cm, cb, el, u, e)	ALL	Major term as a product (el)	CVMP	ECLA code (e)	PEC
Accession number (c, el)	AN	Controlled term with no role (el)	CVN	Patent filing date (u, e)	PFD
Author/Inventor (c, el, u, e, pa)	AU	Controlled term as a product (el)	CVP	Patent issue date (u, e)	PI
Availability (cb)	AV	Document type (c, cm, cb, el)	DT	Int. patent classification (u, e)	PID
ISBN (c, cb, el, pa)	BN	Uncontrolled term (c, el)	FL	Patent number (u, e)	PII
Conference code (c, el)	CC	Industrial Sectors (cb)	GD	Publisher (c, cm, el, pa)	PH

Rýchle vyhľadávanie

1. krok

Vyhľadanie kníh podľa predmetového hesla: polyméry. V rámci tejto databázy je možné výsledky špecifikovať len podľa rokov.

The screenshot shows the Engineering Village search interface. On the left, there is a sidebar with 'Databases' (CBNB, Chimica, Compendex, EnCompassLIT, Ei Patents, Referex) and 'Personal Account' (Register or Login, Username, Password, Login). The main search area is titled 'SELECT DATABASE' and includes checkboxes for 'All', 'Compendex', 'Chimica', 'CBNB', 'EnCompassLIT', 'US Patents', 'EP Patents', and 'Referex' (which is checked). Below this, the 'SEARCH FOR' field contains 'polymers'. The 'SEARCH IN' dropdown menu is open, showing options: 'Keyword' (selected), 'Author', 'ISBN', 'Title', 'Publisher', and 'Subject'. The 'LIMIT BY' section has dropdowns for 'Document type not available', 'Treatment type not available', and 'Language not available'. The 'SORT' section has radio buttons for 'Relevance' (selected) and 'Publication year', and a checkbox for 'Autostemming off'. The 'Language' dropdown is set to '1' and 'Updates' is checked. The 'Search' and 'Reset' buttons are at the bottom. A 'Search Tips' section at the bottom provides instructions on using truncation (*), wildcards (?), and NEAR/ONEAR.

2. krok

Výsledky môžeme:

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Rešerš sme zúžili na knihy z vydavateľstva Plastics design library.

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1. Fluorinated Ionomers, Page 194
Chapter: 12: Toxicology, Safety and Disposal
[Grot, Walther](#) ISBN-13: 9780815515418, Plastics Design Library, 2008
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2. Fluorinated Ionomers, Page 64
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4. Fluorinated Ionomers, Page 29
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[Grot, Walther](#) ISBN-13: 9780815515418, Plastics Design Library, 2008
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Chapter: 9: Experimental Methods

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☐ Toxicology, Safety And Disposal (4)

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☐ Commercial Membrane Types (4)

☐ Glossary And Web Sites (4)

☐ Appendix C: Solution Cast Nafion Film (3)

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☐ Applications (26)

☐ Films (24)

☐ Cells (24)

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Done Internet 100%

3. krok

Konkrétny záznam si prezeráme ako: detail strany, detail knihy, čítať stranu, čítať kapitolu, čítať knihu.

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1. **Book title:** Fluorinated Ionomers
Page number: 194
Authors: [Grot, Walther](#)
ISBN-10: [0815515413](#)
ISBN-13: [9780815515418](#)
Chapter title: 12: Toxicology, Safety and Disposal
Total Pages: 231
Year: 2008
Publisher: Plastics Design Library
Page Highlights: ...Heat sealing and repair exposes the **polymer** briefly to temperatures of
Keywords: [acids](#) - [air](#) - [applications](#) - [combustion](#) - [contamination](#) - [decomposition](#) - [dermatitis](#) - [industrial applications](#) - [gases](#) - [materials](#) - [membranes](#) - [ionomers](#) - [rats](#) - [plastics](#) - [skin](#) - [testing](#) - [repair](#) - [stability](#) - [tobacco](#) - [ventilation](#) - [toxicity](#)
Subject terms: [Materials Science \(General\)](#) - [Polymers and Plastics](#)
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Fluorinated Ionomers
Grot, Walther ; ISBN-10: 0815515413, ISBN-13: 9780815515418, 231 p, 2008 Publisher: Plastics Design Library

Book description: Fluorinated Ionomers is a unique handbook on working with those partially fluorinated and perfluorinated polymers which contain sufficient ionic groups to dominate the transport properties of the polymer. Its emphasis is on the practical aspects of working with fluorinated ionomers, and it is intended to help the scientist and engineer in the preparation, fabrication, use, and study of these products as well as in the development of new applications and compositions. Extensive coverage is given to perfluorinated ionomers because of the practical importance of this group of polymers. Fluorinated ionomers that have been discussed in detail include commercial products such as Nafion®, Aciplex® (Asahi Chemical) and Flemion® (Asahi Glass). Whether you need information about the use of fluorinated ionomers in fuel cells, batteries, chloralkali cells, sensors, fabrication techniques, or commercial products, you will find it in this valuable handbook

Subject terms: [Materials Science \(General\)](#) - [Polymers and Plastics](#)

Collection name: [Materials & Mechanical](#)

Database: Referex

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- [4 - Properties](#)
- [5 - Applications](#)
- [6 - Fuel Cells and Batteries](#)
- [7 - Commercial Membrane Types](#)
- [8 - Economic Aspects](#)
- [9 - Experimental Methods](#)
- [10 - Heat Sealing and Repair](#)
- [11 - Handling and Storage](#)
- [12 - Toxicology, Safety and Disposal](#)

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Keywords that appear most frequently in this book

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Čítať stranu

Engineering Village - Windows Internet Explorer

http://www.engineeringvillage2.org/controller/servlet/Controller?CID=bookFrameset&SEARCHID=11c19e612cbef4264M352eprod4data

Fluorinated Ionomers
Grot, Walther
ISBN-13: 9780815515418, 231 pp
Plastics Design Library, 2008

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194

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Page Details - Book Details - **Read Page** - Read Chapter - Read Book

12 Toxicology, Safety and Disposal

12.1 Toxicology

The acute oral toxicity of perfluorinated ionomers is quite low. For rats the oral LD50 is higher than 20,000 mg/kg body weight. However, perfluorinated ionomers will release toxic gases when exposed to temperatures in excess of about 250°C. There are three likely scenarios for such an exposure:

- 1) Fire. While perfluorinated ionomers will not sustain combustion in air, they could be involved in a fire of other materials. Self-contained breathing apparatus should be worn under these conditions.
- 2) Heat sealing and repair exposes the **polymer** briefly to temperatures of about 300°C. Adequate ventilation should be provided for these operations.
- 3) Contamination of tobacco products.

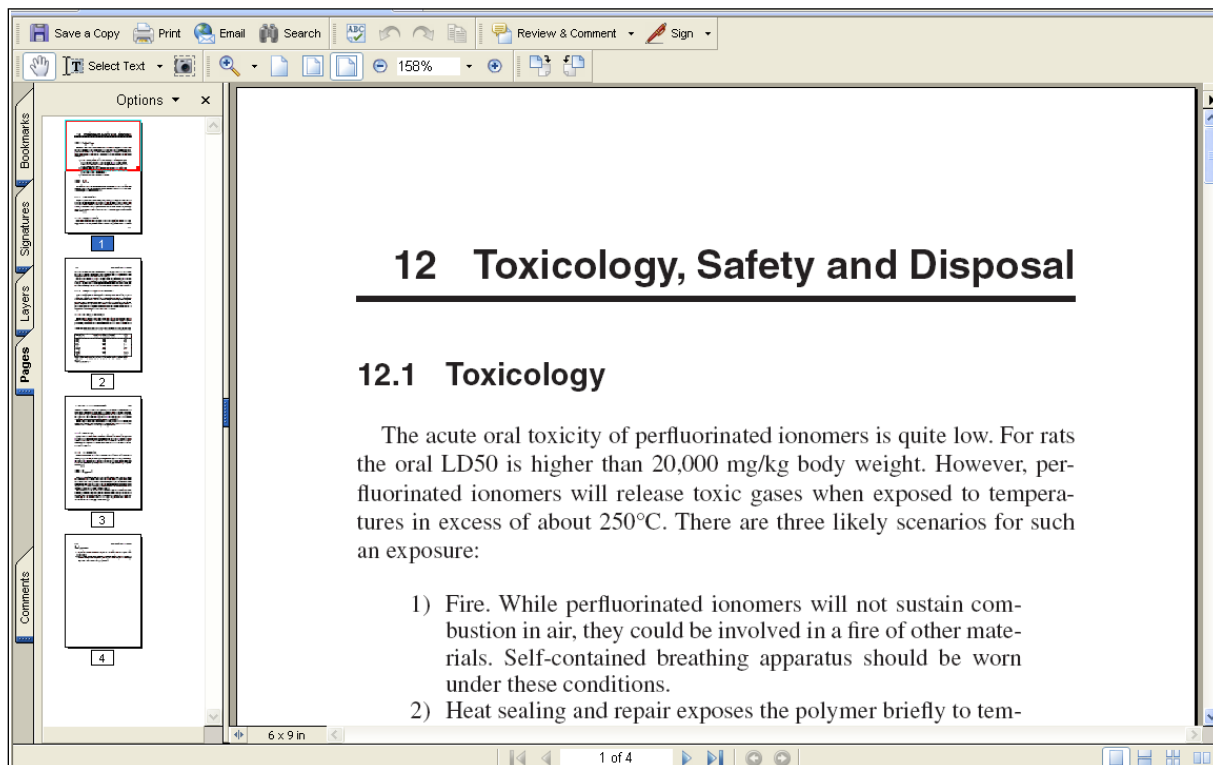
12.2 Safety

6 x 9 in 1 of 1

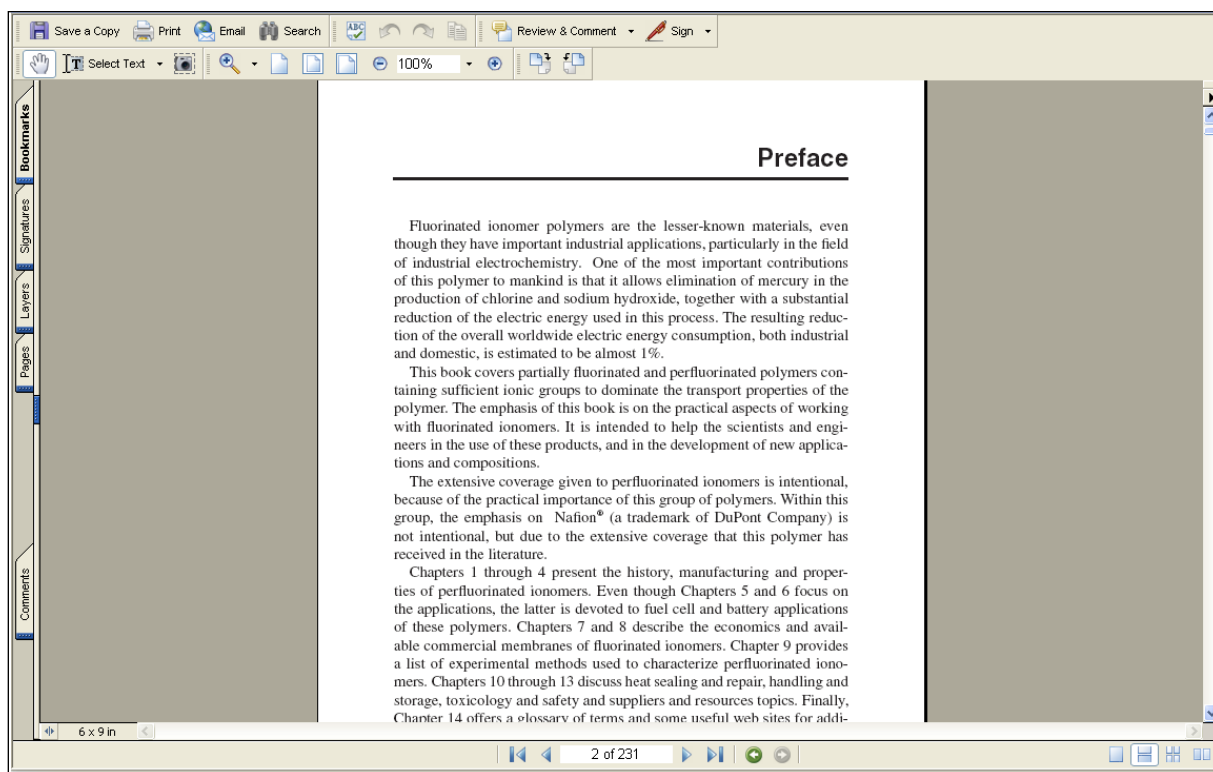
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Čítať kapitulu



Čítať knihu



Vyhľadávanie elektronických kníh

V kolekcii elektronických kníh Materials & Mechanical Engineering sa nachádzajú knihy z oblastí ako mechanika materiálov, hutníctvo a spracovanie kovov, náuka o materiáloch, priemyselné a výrobné inžinierstvo, keramické materiály a kompozity a pod.

1. krok

V rámci kolekcie je možné prehľadávať podľa predmetových hesiel.

The screenshot displays the Engineering Village website interface. At the top, there is a navigation bar with links: Search History, Selected Records, My Profile, My Alerts, and End Session. Below this, a secondary navigation bar includes Tags + Groups, Easy Search, Quick Search, Expert Search, Thesaurus, eBook Search (highlighted with a red box), Ask an Expert, and Help. The main content area is titled 'Materials & Mechanical' and features a search section with 'SEARCH FOR' and 'SEARCH IN' fields, each with a dropdown menu and a search button. Below the search section, there is a 'BROWSE BOOKS BY COLLECTION OR SUBJECT' section, which lists various engineering disciplines and their corresponding book counts, such as Industrial and Manufacturing Engineering (60), Polymers and Plastics (55), and Materials Science (23). The left sidebar contains links to various resources, including Referex, Personal Account, More Search Sources, and Search Tips.

2. krok

Ďalšou prácou s výsledkami môže byť vybratie si vhodného formátu zobrazenia alebo zúženie rešeršného vyhľadávania.

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83 records in Referex for 1987-2011 [Save Search](#) - [Create Alert](#)

[Materials & Mechanical](#)

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- ☐ **Additives for Polyolefins: Getting the Most Out of Polypropylene, Polyethylene, and TPO**
Tolinski, Michael ISBN-13: 9780815520511, William Andrew, 2009
Database: Referex Collection: Materials & Mechanical [Book Details](#)
- ☐ **Adhesives Technology Handbook: Second Edition**
Ebnesajjad, Sina ISBN-13: 9780815515333, William Andrew, 2009
Database: Referex Collection: Materials & Mechanical [Book Details](#)
- ☐ **Advanced Machining Processes of Metallic Materials: Theory, Modelling and Applications**
Grzesik, Wit ISBN-13: 978080445342, Elsevier, 2008
Database: Referex Collection: Materials & Mechanical [Book Details](#)
- ☐ **Advanced Mathematical Tools for Control Engineers: Deterministic Techniques**
Poznyak, Alexander S. ISBN-13: 978080446745, Elsevier, 2008
Database: Referex Collection: Materials & Mechanical [Book Details](#)
- ☐ **Applied Nanotechnology: The Conversion of Research Results to Products**
Ramsden, Jeremy J. ISBN-13: 9780815520238, William Andrew, 2009
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Book Collection [Materials & Mechanical \(83\)](#)

Author [Watts, Frank B. \(2\)](#) [McKeen, Laurence W. \(2\)](#) [Bentley, Colin \(2\)](#) [Neiland, V. Ya \(1\)](#) [Nguyen, Nam Trung \(1\)](#) [Olive, J. M. \(1\)](#) [Panchal, Jitesh H. \(1\)](#) [Pfeifer, Michael \(1\)](#) [Phelps, Neil \(1\)](#) [Poznyak, Alexander S. \(1\)](#) [more...](#)

Publisher [Butterworth-Heinemann \(26\)](#) [Elsevier \(18\)](#) [William Andrew \(16\)](#) [Academic Press \(7\)](#) [William Andrew Publishing \(5\)](#) [Elsevier Science \(4\)](#) [Newnes \(4\)](#) [Architectural Press \(1\)](#) [Gulf Professional Publishing \(1\)](#) [Plastics Design Library \(1\)](#)

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3. krok

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4. **Advanced Mathematical Tools for Control Engineers: Deterministic Techniques**
Poznyak, Alexander S. ISBN-13: 978080446745, Elsevier, 2008
Database: Referex Collection: Materials & Mechanical [Book Details](#)

Book description: This book provides a comprehensive treatment of the theory and application of optimization, optimal and robust control, and stochastic processes. It is written for researchers, engineers, and students of all disciplines. It contains worked proofs of all theorems and contains modern and classical mathematical methods.

* Provides comprehensive treatment of all theorems and contains modern and classical mathematical methods.
* Provides practical examples of the application of the theory.
* Contains worked proofs of all theorems.

Subject terms: [Engineering](#) [Mathematics](#) [Control Theory](#)

Collection name: [Materials & Mechanical](#)

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Preface

Mathematics is playing an increasingly important role in the physical, biological and engineering sciences, provoking a blurring of boundaries between scientific disciplines and a resurgence of interest in the modern as well as the classical techniques of applied mathematics. Remarkable progress has been made recently in both theory and applications of all important areas of control theory.

Modern automatic control theory covers such topics as the algebraic theory of linear systems (including controllability, observability, feedback equivalence, minimality of realization, frequency domain analysis and synthesis etc.), Lyapunov stability theory, input-output method, optimal control (maximum principle and dynamic programming), observers and dynamic feedback, robust control (in Hardy and Lebesgue spaces), delay-systems control, the control of infinite-dimensional systems (governed by models in partial differential equations), conflict and game situations, stochastic processes and effects, and many others. Some elegant applications of control theory are presently being implemented in aerospace, biomedical and industrial engineering, robotics, economics, power systems etc.

The efficient implementation of the basic principles of control theory to different applications of special interest requires an interdisciplinary knowledge of advanced mathematical tools and such a combined expertise is hard to find. What is needed, therefore, is a textbook making these tools accessible to a wide variety of engineers, researchers and students.

Many suitable texts exist (practically there are no textbooks) that tackle some of the areas of investigation mentioned above. Each of these books includes one or several

1 of 767

Literatúra:

- [1] Rešetová, K. – Prelovská, A. Navigácia v informačných zdrojoch.
Trnava: AlumniPress, 2010.
- [2] www.engineeringvillage.com

Spracoval: Slovenská technická univerzita
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Odbor poznatkového manažmentu
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